

TRI-STATE RADIO PLANNING COMMITTEE

(FCC - REGION 8)

PUBLIC SAFETY COMMUNICATIONS PLAN

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- REGIONAL PLAN -

TRI-STATE RADIO PLANNING COMMITTEE

Table of Contents

	<u>Page No.</u>
<u>SCOPE</u>	1
Introduction	1
Purpose	2
<u>AUTHORITY</u>	3
Regional Planning Committee	3
National Interrelationships	4
Federal Interoperability	4
Regional Plan Update Committee	5
<u>SPECTRUM UTILIZATION</u>	7
Region Defined	7
Usage Guidelines	10
Reassignment of Frequencies	13
Supplement to the Application Form	15
<u>COMMUNICATIONS REQUIREMENTS</u>	16
Common Channel Implementation	16
Areas of Operation	17
Operation on the Common Channels	17
Sub Regions	18
Operating Procedures	18
Network Operating Method	19

Table of Contents

COMMUNICATIONS REQUIREMENTS (Cont'd)

Encryption Standards	20
Use of Long-Range Communications	22
Use of Cellular Telephone	23
Expansion of Existing Systems	24

IMPLEMENTATION AND PROCEDURES 25

Notification	25
Frequency Allocation Process	25
Appeal Process	31

CHANNEL ASSIGNMENT 32

EPILOGUE 35

Future Planning Requirements	35
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APPENDICES

A - Evaluation Matrix	A1
B - Population in the Regional Planning Area	B1
C - Population Density in the Regional Planning Area	C1
D - Allocation Point Value	D1
E - Regional Planning Area (Map)	E1
F - Frequency Assignment Methodology	F1
G - Committee Members	G1
H - Notification List	H1
I - Committee Operating Procedures (Included in meeting minutes)	I1
J - Participating Agencies	J1

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SCOPE

Introduction

When the Federal Communications Commission announced the 800 MHz allocation of reserve radio frequencies to Public Safety Radio Services and Special Emergency Radio Services (SERS) in July 1986, they mandated that a National Plan outlining the use of public safety radio frequencies must be in place before any agency would receive channels from this new allocation. As part of this mandate, Regional Plans conforming to the National Plan were to be developed. A Regional Plan for radio spectrum usage by public safety agencies in the New York/New Jersey/Connecticut metropolitan area was written by members of the Tri-State Radio Planning Committee. This group, representing a cross-section of public safety radio users in the Tri-State area, has among its members, the APCO local frequency advisors for these three states. See Appendix G.

Purpose

The Regional Plan was developed to insure that maximum public benefit be derived from all radio communication systems used by eligibles that come under FCC rules for Public Safety Radio Services and SERS. Recognizing that the Tri-State area is currently experiencing shortages in the number of radio channels needed by many public safety agencies, the Plan was established with the objective of insuring that unassigned frequencies would be distributed in an equitable fashion with the priority given to those public safety agencies that are primarily responsible for the protection of life and property and that assigned frequencies were being utilized in the most efficient manner.

AUTHORITY

Regional Planning Committee

The membership of the Regional Planning Committee (the Committee) was initially drawn from representatives of the New York Metropolitan Area Committee for Public Safety Spectrum Relief and included members from NY State Police, NJ State Police, CT State Police, and from New York -- Suffolk County Police Department, Port Authority of NY & NJ, Town of Oyster Bay, and from Connecticut -- Bureau of Statewide Emergency Telecommunications, Department of Transportation, and from New Jersey -- NJ Transit Authority, and Gloucester County Communications Center.

Authority for the Regional Planning Committee to carry out its assigned tasks is derived from the Federal Communications Commission (FCC Report and Order, Docket 87-112). Each Committee member that is the single recognized representative of an eligible licensee under the Public Safety Radio Services and the Special Emergency Radio Services is entitled to one vote in all Committee matters (see Meeting Minutes August 17, 1989 Attachment 'D' Appendix pages I-23, 24). Except as may be provided elsewhere in this Plan, the majority of those present at a scheduled meeting will prevail. See Appendix I.

National Interrelationships

The Regional Plan is in conformity with the National Plan. If there is a conflict between the two plans, the National Plan will govern. It is expected that Regional Plans for other areas in the country may differ from the Plan for this area due to dissimilar situations. By officially sanctioning the Plan the FCC agrees to its conformity to the National Plan. Nothing in the Plan is to interfere with the proper functions and duties of the organizations appointed by the FCC for frequency coordination in the Private Land Mobile Service but rather it provides procedures that are the consensus of the Public Safety Radio Service user agencies in the Region. If there is a perceived conflict then the judgment of the FCC will prevail.

Federal Interoperability

Interoperability between Federal, State and Local Governments during both daily and disaster operations will primarily take place on the five common channels identified in the National Plan. Additionally, through the use of S-160 or equivalent agreements, a license may permit Federal use of a non-Federal communications system. Such use, on other than the five identified common channels, is to be in full compliance with FCC requirements for government use of non-government frequencies (Title 47 CFR, sec 2.103). It is permissible for a non-Federal

government licensee to increase channel requirements to account for up to a 2% increase in mobile units, provided that written documentation from federal agencies supports at least that number of increased units.

Regional Plan Update Committee

With the approval of the Regional Planning Committee, the Chairman shall appoint a Regional Plan Update Committee (RPUC). This committee will remain in place to recommend changes in the Regional Plan to the FCC and provide a mechanism for interregional resolution of problems which arise.

The standing membership of the RPUC shall consist of each APCO designated local frequency advisor for the Regional Planning Area (3 members), one member each representing the states of CT, NJ and NY (3 members), three members representing Public Safety Radio Services and two members representing Special Emergency Radio Service (5 members). From time to time, the RPUC Chairman may appoint a member(s)-at-large. Subsequent to initial RPUC appointments, all future RPUC appointments will be subject to majority approval of current RPUC membership. In no case shall any radio service have a voting membership greater than 49%.

Subject to majority approval, other individuals may serve on the RPUC only in a non-voting status. The RPUC Chairman may exclude the presence of such members during any RPUC executive session.

The following rules and procedures shall be established:

- elect a Chairman
- develop a mechanism to fill committee vacancies
- with FCC approval, modify committee membership
- set response time to process received frequency applications
- publish meeting schedule
- determine committee voting standards
- develop applicant appeal process
- audit implementation of those systems subject to the Plan
- enact policy for frequency give-backs
- maintain coordination with neighboring regional committees
- participate in the annual meeting of all regional committees
- promulgate other rules and procedures as required

It should be noted that the FCC will not fund any expenses incurred by the RPUC.

SPECTRUM UTILIZATION

This portion of the Plan provides a basis for proper spectrum utilization. Its purpose is to guide the Committee in their task of evaluating the implementation of radio communication systems within the Region.

Region Defined (see Appendix E)

A region is a geographic area that is designated a region for some noteworthy purpose. In the New York Metropolitan area for Public Safety Communications purposes, it is that area having significant population and multiple administrative jurisdictions. The communities within that area intermingle so acutely that the many abutting boundaries coalesce formulating one massive region. Therefore, for reasons of the Regional Plan, contiguous parts of Connecticut, New York and New Jersey formulate a unified region to be known as the Tri-State Region.

The total population of the area as outlined below is estimated to be greater than 20,000,000 people constituting approximately 10% of the nation. Within this region are a plethora of jurisdictions ranging from state governments, to quasi-municipal organizations crossing state lines, townships, villages, water districts, fire districts, etc. with many involved in public safety. Their involvement extends from search

and rescue during crisis to immediately responding to the replenishment and repair of roadways, lights, power, etc.

In both the Connecticut and New York portions of the Region there are primary and secondary zones. A primary zone contains jurisdictions which are severely impacted as a result of an excess demand for scarce spectrum. The requirements for system implementation in a primary zone will be more restrictive than in a secondary zone. Those jurisdictions in a secondary zone will be under the general requirements of the Regional Plan but will not be required to adhere to the more stringent requirements of the primary zone jurisdictions.

The Connecticut portion of the New York Metropolitan Region consists of the counties of Fairfield, Litchfield, New Haven, and Middlesex.

The Connecticut portion of the New York Metropolitan Region primary zone is defined as follows; an outer boundary which includes the municipalities of Kent, Washington, Woodbury, Middlebury, Naugatuck, Bethany, Hamden, New Haven, East Haven, and Branford, and all of the municipalities to the west and/or the south of those outer border municipalities up to and including those on the Connecticut-Long Island Sound shore line and on the New York-Connecticut border.

The Connecticut portion of the New York Metropolitan Region secondary zone is defined as follows; an outer boundary consisting of the boundary line between Litchfield and Hartford county, the boundary line between New Haven and Hartford county, the boundary line between Middlesex and Hartford county and the boundary line between Middlesex and New London county. All the municipalities to the west and south of that outer boundary extending to the previously defined border of the primary zone and to the Massachusetts-Connecticut and New York-Connecticut borders in the northwest portion of the State and the Connecticut shore line in the central portion of the State are included in the secondary zone of the Connecticut portion of the New York Metropolitan Region.

The New York primary zone consists of the counties of Orange, Putnam, Rockland, Westchester, the counties of New York City, Nassau and the portion of Suffolk county west of Riverhead and Southampton Townships. The New York secondary zone consists of the counties of Dutchess, Ulster and Sullivan and the portion of Suffolk county east of Brookhaven Township.

The outermost counties in New Jersey for the Region are Sussex, Warren, Hunterdon, Mercer and Monmouth. Entirely within the region are Passaic, Bergen, Hudson, Essex, Union, Morris, Somerset, and Middlesex. The region line follows the northern border of Burlington County and the southern border of Monmouth County. All counties of the New Jersey portion of the regional Plan are in the primary zone.

Usage Guidelines

All systems operating in the Region having five or more channels will be required to be trunked. Those systems having four or less channels may be conventional.

The FCC in its Report and Order states, "Exceptions will be permitted only when a substantial showing is made that alternative technology would be at least as efficient as trunking or that trunking would not meet operational requirements. Exceptions will not be granted routinely, however, and strong evidence showing why trunking is unacceptable must be presented in support of any request for exception."

Systems of four or less channels operating in the conventional mode who do not meet FCC loading standards will be required to share the frequency on a non-exclusive basis.

Public safety communications at a state level as it impacts the Region will be reviewed by the Committee. Statewide public safety agencies will submit their communications plans for impact approval if they utilize communications systems within the Region and those portions of such systems must be compatible with the Regional Plan.

The next level of communication coverage will be a county/multiple municipality area. Those systems that are

designed to provide area communication coverage must demonstrate their need to require such wide area coverage. Communication coverage beyond the bounds of a jurisdictional area of concern cannot be tolerated unless it is critical to the protection of life and property. If the 800 MHz trunked radio technology is utilized, the system design must include as many county/multiple municipality government public safety radio users as can be managed technically.

The county/multiple municipality agency or agencies, depending upon systems loading and the need for multiple systems within an area, must provide inter-communications between areawide systems. In a multi-agency environment, a lead agency using 800 MHz spectrum must implement the Common Channels in this band as mandated by the National Plan. Such implementation must be reviewed and approved by the Committee.

Municipal terminology in each state may be different. In order to provide a title for the next level of communications the term "Township" is used to define the level below countywide. Township communications for public safety purposes must provide only the communications needed within its boundaries. However, if the total number of radios in service does not reach minimum loading criteria for a trunked system, that township must consider utilizing the next higher system level if 800 MHz trunked radio is available in the area. As those higher level systems reach capacity, the smaller system communicators in the public

safety service must then consider uniting their communications efforts to formulate one large system or forfeit use of the limited 800 MHz spectrum.

Where smaller conventional 800 MHz needs are requested, those frequencies to be utilized must not interfere with the region's trunked systems. The 800 MHz trunked radio system is to be considered the higher technology at this time and in greater compliance with FCC guidelines. The amount of interference that can be tolerated depends on the service affected. Personal life and property protection shall receive the highest priority and disruptive interference with communications involved in these services in an area shall not be tolerated. Any co-channel interference within an authorized area of coverage will be examined on a case by case basis.

A requesting applicant for radio communications in the 800 MHz public safety services in the Region will be required to provide loading criteria information for its proposed system. The provisions of this regional plan must be used as a guide for establishing any new systems. Strict adherence for limiting area of coverage to the boundaries of the applicant's agency's jurisdiction must be observed. Overlap or extended coverage must be minimized even where systems utilizing 800 MHz trunked radio are proposing to intermix systems for cooperative and/or mutual aid purposes.

Antenna heights are to be limited to provide only the necessary coverage for a system. When antenna locations are restricted to only the "high ground", transmitter outputs and special antenna patterns must be employed to produce the necessary coverage with the proper amount of ERP. All necessary precautions will be taken to gain maximum reuse of the limited 800 MHz spectrum.

As part of this plan, distances between transmitter for co-channel reuse will not be held to seventy (70) mile separation. Separation of co-channel transmitters will be determined by the coverage needs of the applicant, natural barriers for separation, antenna patterning and limited ERP's where possible. System tests and/or propagation studies should also be provided to establish minimum distances for separation.

Reassignment of Frequencies

It is anticipated that, in all but the most unusual cases, frequencies presently utilized by a licensee will be turned back for reassignment. The FCC authorized frequency coordinators will be responsible for assignment of the channels to the various agencies awaiting channels in the lower frequency bands. Normal coordination procedures will be followed with these take back channels except that the applicant evaluation criteria established in the National plan and further defined in this Regional plan is to be considered. In such cases where specific channels are required by numerous applicants, the

applicant evaluation matrix will be utilized. In all cases, area of coverage criteria and channel loading criteria will be applied, except upon unique circumstances after receiving a waiver from the Regional Planning Committee. It is not consistent with the goals and objectives of this Region to permit the direct reassignment of radio frequencies between agencies. All frequencies are to be returned to their respective pools to be assigned to the most public beneficial use. Similarly, an agency should not be able to "farm down" frequencies to other services within their political structure simply to take advantage of surplus equipment. The need for communications by such an agency may be outweighed by the needs of another political subdivision.

This Regional Plan will consider for planning purposes the communication needs of all current eligibles under the FCC's Public Safety Radio Services and Special Emergency Radio Services. Additionally, this Regional Plan will consider the communication needs of those public safety service associated operations as the Regional Planning Committee may deem necessary and desirable for local area needs.

Supplement to the Application Form

With each application form (APCO Form FDR2) submitted directly to the local frequency advisor, the applicant shall also supply the following supplemental information:

- o Details of engineering survey showing radio coverage will not exceed applicants minimum requirements.
- o Explain how system will be used to communicate with other services in other bands.
- o Explain any budget commitment that has been made for the proposed system.
- o Explain how system will interface with long distant radio communications such as amateur radio, satellite communications, and/or long-range emergency preparedness communications systems.
- o Statement of need for installing a new 800 MHz system.
- o Explain and certify that the applicant's agency will comply with the common channel implementation requirements.
- o Indicate which channels will be relinquished if this request is granted. Fully justify the retention of any presently licensed frequencies.

COMMUNICATIONS REQUIREMENTS

Common Channel Implementation

The implementation of the common channels required under the National Plan will utilize a two tier network.

1. The calling channel will be implemented as a full mobile relay. Wide area coverage transmitters will be installed to maximize regional coverage. Large system users (5 channels or more) of 800 MHz ^{WILL BE REQUIRED TO PROVIDE AT LEAST ONE} may be required to provide satellite receiver feeds into this wide area transmitter's area of coverage. A watch will be maintained on this channel using control stations. Any or all agencies in the Regional Planning area may be required to operate a control station for the purpose of monitoring and rendering assistance on the calling channel. Each licensee of more than ~~five~~ ⁵ 800 MHz channels must be willing to provide sufficient satellite receivers for in street mobile coverage within their system area, consistent with their system coverage requirements.
2. Tactical Channels will be geographically assigned throughout the region. Each major user (5 channels) ^{or more} of 800 MHz will be required to sponsor, individually or jointly, one or possibly two localized mobile relays to cover specific geographic areas. This will give a fixed number of working channels in an area. Depending upon the needs in an area, multiple channels could be implemented. The placement and

coverage of these systems will be controlled to permit reuse several times within the Region. Talk-around on all four tactical channels will provide additional on scene communications to supplement the localized mobile relay. In addition, talk-around will also provide on-scene communication in areas where there exists no localized mobile relay.

Areas of Operation

The total area of operation shall encompass the Region, as defined elsewhere in the Plan, and shall extend outward to include the total system area of any system of which any portion thereof falls within the Region.

Operation on the Common Channels

Normally, the five interoperable channels are to be used only for activities requiring inter-communications between agencies not sharing any other compatible communications system. Interoperable channels are not to be used by any level agency for daily operations or for interagency communications not requiring interoperability. In major emergency situations, one or more tactical channels may be assigned by the primary Public Safety dispatch center.

Participants in the interoperable channels include Federal, State and Local Disaster management agencies. Police, Fire, and providers of Basic and Advanced Life support services will be the primary using agencies. If radio channels are available, other services provided in the Public Safety Radio Services and the Special Emergency Radio Services may also participate to the extent required to insure the safety of the public.

Sub Regions

The Region shall be broken down into sub-regions that conform with state political boundaries. Within each sub-region the Regional Planning Committee shall designate an appropriate agency to establish a primary Public Safety dispatch center. Each such dispatch center shall operate a base station on the National Public Safety Calling Channel as well as on the four National Public Safety Tactical Channels and shall be responsible for the coordination with adjacent primary Public Safety dispatch centers as well as with other central points in the state.

Operating Procedures

On all Common Channels plain ENGLISH will be used at all times, and the use of unfamiliar terms, phrases or codes will not be allowed.

Users will be coming from varied backgrounds and disciplines each having their own language. Any attempt to introduce a new code would only confuse the issue and cause confusion and possibly even rejection of the interoperability concept.

Calling Channel (CALL)

The calling channel shall be used to contact other users in the Region that can render assistance at an incident. This channel shall not be utilized as an ongoing working channel. Once contact is made between agencies, an agreed upon tactical or mutual aid channel shall be used for continued communications.

Tactical Channels (TAC 1-TAC 4)

These frequencies are reserved for use by those agencies involved in interagency communications. Incidents requiring multi-agency participation will utilize these frequencies as directed by the control agency assuming responsibility for an incident or area of concern. These frequencies may be subdivided into use by various services of public safety as needed.

Network Operating Method

A network will be established on the calling channel, CALL. This network will be widearea to cover large sections of

the Region. Multiple networks may be required to fully cover the outlying areas of the Region. Multi-state coverage networks will be monitored by selected agencies.

Communications systems on TAC 1-TAC 4 will be implemented by agencies who volunteer on a distributed coordinated basis. Every primary geographic section of the Region is intended to be covered by at least one of the working channels. In secondary areas common channels will be utilized through mobile to mobile talk-around. Mobile relays on TAC 1-TAC 4 will be on a limited coverage design to permit reuse of the channel several times within the Region and in adjacent regions.

Encryption Standards

The use of encryption in the Metropolitan New York Regional Plan is encouraged for those agencies, that as part of their operation have need to conduct covert operations that require some assurance of communications security. This plan recommends encryption techniques that provide high levels of communications security and decoded voice recognition.

We strongly recommend that encryption transmissions over systems operating within the region be transmitted in a digital format with the use of an analog/digital conversion technique having a bit rate not to exceed that which will fit within a 25 KHz channel. Agencies that interoperate with Federal

agencies in covert operations will be required to use secure communications that comply with standards set by the National Security Agency. Standards vary according to classifications and are based upon the sensitivity and the nature of the information to be exchanged. Many of the agencies that interoperate with State and Local agencies, such as the FBI, US Customs, DEA, and Coast Guard, are required to use encryption which meets FIP-S42 data encryption standard.

Within this region, transmissions on the National Calling Channel (601) shall not use any means of encryption.

The nature of communications on the four (4) National Mutual Aid common channels (639, 677, 715, and 753) is designated for tactical intersystem operations, disaster and emergency management, as well as local and regional interoperability.

The ability to operate securely on these tactical channels would both protect and enhance those operations. It is evident that the capability of the four (4) tactical channels to support secure communications is also strongly recommended. However, there is not presently a common standard for the transmission of secure speech among those manufacturers offering such products. The differing bandwidth requirements of present systems prevents a radio system from efficiently retransmitting, without degradation, the signals of another, which is not of the same manufacturer or type.

Accordingly, this plan will not require that fixed end equipment, installed to support the four (4) tactical channels within the region, be "digital capable" or otherwise equipped for secure speech transmission. Those agencies, which require secure speech communication interoperability with other agencies outside their normal channel operations, will be expected to provide such compatible equipment as is required for their mutual needs.

Use of Long-Range Communications

During incidents of major proportions where public safety requirements might include the need for long-range communications in and out of a disaster area, alternate radio communications plans are to be addressed by lead agencies within this region. These agencies shall integrate the appropriate interface to the five national channels as a minimum. Such long distance radio communications might be Amateur Radio Service communications: including the Amateur Radio Emergency Service (ARES), the Radio Amateur Civil Emergency Service (RACES), and the related Military Affiliated Radio System (MARS); satellite communications facilities; and/or long-range emergency preparedness communications systems, such as Operation SECURE and other local government radio service channels in the 2 to 8 MHz bands. Interface may be by any means - automatic or manually controlled direct retransmission, or by simple repeating a message. Any or all of such long-range communications capabilities should be incorporated as part of the communications

plans of those lead agencies. They then could provide the means to communicate outside the area for themselves and the smaller agencies who might need assistance. Instances as addressed in the National Public Safety Planning Advisory Committee's Plan such as earthquakes, hurricanes, floods, widespread forest fires or nuclear reactor problems could require the need for such long-range communications.

Use of Cellular Telephone

800 MHz Cellular telephone service, whether offered by wire-line or non-wire-line service providers, is a rapidly developing and expanding service in this region. Along with other types of older mobile telephone service, these systems have facilities and call capacity more specifically designed for the longer transmission durations associated with telephone conversations, and for certain, generally limited, public safety applications may well serve specific needs. Such mobile telephone service provides a one-to-one communication link, not a fleet or broadcast type of communication to multiple units as is typical of the majority of public safety needs.

The use of 800 MHz two-way mobile radio system channels for automatic interface to the public switched telephone network (PSTN) will normally require a significantly longer channel use time, compared to normal two-way mobile radio transmissions, upon which the channel loading standards are based. This plan recommends the use of cellular telephone for automatic

interconnect to the PSTN, particularly for those applications where one-to-one communication between a mobile and a telephone subscriber would be effective. Utilizing cellular systems already in place will not impact radio systems planned in this regional area.

Therefore, the use of automatic interconnect access to PSTN is not recommended under this regional plan. Recognizing that any agency's reduced "after hours" activity and staffing may require automatic access to the PSTN in order to contact people who have left the radio system, in lieu of normal dispatch center attendant control of access to the PSTN, this plan will control such impact by not allowing any loading consideration for automatic or manual PSTN interconnect trunk service in the determination of a system's channel capacity.

Expansion of Existing Systems

Existing systems that are to be expanded to include the frequency bands of 821-824/866-869 MHz will have their mobile radios 'grandfathered' provided that they are modified in conformance with the Memorandum Opinion and Order, FCC Docket 87-112. Existing base stations in the frequency bands 806-821/851-866 MHz may not be used in the frequency bands 821-824/866-869 MHz.

IMPLEMENTATION AND PROCEDURES

Notification

All interested parties were invited to participate in the development of the Regional Plan. This notification was accomplished by the FCC issuing a Public Notice and by the "convenor" directly notifying organizations representing eligibles. In addition, the mobile communications print media were contacted by the "convenor" and made aware of the Committee's formulation. Also notified were state and local government agencies concerned with emergency management as well as federal agencies responsible for National Security and Emergency Preparedness. See Appendix H.

Frequency Allocation Process

In performing the allocation process the Committee used the algorithm made available by Motorola, Inc. (See Appendix F) for use as an aid to maximize spectrum utilization. The Committee also considered the results of a recent demographic study to determine the future needs of applicants (see Appendix B). Any system that may frequency impact a neighboring planning region has been coordinated by the respective Committee Chairmen of the affected regions.

The Plan incorporates a filing window concept which will provide for the evaluation of all applications for the available spectrum at the same time (The Committee established June 1, 1988 as the closing of the first window. This was subsequently extended by the Committee to July 1, 1988.) The flow chart, entitled "Evaluation Matrix" (see Appendix A), shows the sequence of events that will be followed in the allocation of the six megahertz of 800 MHz spectrum. This process follows the guidelines established under the National Plan:

The allocation is placed in the frequency pool (Block #1). If frequencies are available in the pool (a second iteration of the evaluation matrix could occur if all frequencies are not allocated on the first iteration) a window opening announcement is made (Block #2). The window period will be thirty days (Block #3 through Block #4) with late applications rejected (Block #5). Applications are received and reviewed during the window period by the local frequency advisor of the respective state from which the application originated (Block #6).

The Committee will consult with state communications planning administrators, where they exist, to determine if the application is in compliance with state plans (Block #7). An application that is not in compliance with an existing state plan will be rejected at this point (Block #8) and returned to the applicant with an explanation of the reason(s) for rejection.

Having passed the tests of state plan compliance and

the needs assessment the Committee will apply the evaluation matrix (Block #9).

The implementation of the evaluation matrix will result in the award of a score for each application. That score is the total of the points awarded in seven categories, with a maximum possible score of 1000 points. Prior to the allocation of points for the seven categories a needs assessment review is conducted (Block #10). The applicant submits a statement of need for the requested frequencies. This statement of need serves as an overview of the proposed system. The seven categories are as follows:

1. Service (Block #11) - maximum score 350 points.

Each of the eligible services has a predetermined point value (Appendix D). That point value is multiplied by ten (10) to determine the score for the Service Category. An applicant with multiple services will be scored on the basis of the percentage that each service represents of his total system. That is, a system that is 50% police and 50% local government (school administration) would be awarded the total of 50% of the point value for police plus 50% of the point value for school administration.

2. Intersystem Communications (Block #12) - maximum score 100 points.

The application is scored on the degree of interoperability that is demonstrated, with a range of points from 0 to 100.

This category does not rate the application on the inclusion of the mandated five common channels for interoperability. This category does rate the application on his proposed ability to communicate with different levels of government and services during times of emergency.

3. Loading (Block #13) - maximum score 150 points.

Those applicants that have demonstrated that they are part of cooperative, multi-organization, systems will be scored on a range of 0 to 150 points depending upon the extent of the cooperative system. An expansion of an existing 800 MHz system will be scored on a range of 0 to 50 points, depending upon the degree of expansion. A system could be an expansion of an existing 800 MHz and a cooperative system as well, and as a result receive the combined point values for these two subcategories for a maximum value of 150 points.

4. Spectrum Efficient Technology (Block #14) - maximum score 100 points.

This category scores the applicant on the degree of spectrum efficient technology that the system demonstrates. A point value range of 0 to 100 points can be awarded for this category. A trunked system would be considered a spectrum efficient technology as well as any technological systems feature which is designed to enhance the efficiency of the system and provide for the efficient use of spectrum.

5. Systems Implementation Factors (Block #15) - maximum score

100 points.

This category scores the applicant on two factors, budgetary commitment and planning completeness. The degree of budgetary commitment is scored on a range of 0 to 50 points. An applicant that demonstrates a high degree of commitment in funding the proposed system will receive the higher score. Each applicant will be scored on the degree of planning completeness with a range of scoring from 0 to 50 points. Applicants will be required to submit a timetable for the implementation of the communications system or systems.

6. Geographic Efficient (Block #16) - maximum point value of 100 points.

Each applicant will be scored on the level of geographic efficiency, scoring will be based upon two subcategories, the ratio of mobiles to area covered and the channel reuse potential. The ratio of mobiles to area covered measures the level of efficient coverage that a system demonstrates. The higher the ratio (mobiles divided by square miles of coverage) the more efficient the use of the frequencies. The ratio of mobiles to area covered is scored on a scale of 0 to 50 points. Those systems which cover large geographic areas will have a greater potential for channel reuse and will therefore receive a high score in this subcategory. The level of channel reuse potential is scored on a scale of 0 to 50 points.

7. Givebacks (Block #17) - maximum score 100 points.

The applicant is scored in two subcategories; the number of channels given back and the extent of availability of those channels to others. The greater the number of channels given back the higher the score will be, with range of points of 0 to 50. The greater the level of availability of the give backs the higher the score will be in the subcategory for availability to others.

Points are totaled for each application (Block #18) and the applications are prioritized by the Core Committee (Block #19). The frequency pool is allocated (Block #20), the Appendix to the Regional Plan is updated, The Plan is then sent to the FCC for review and approval as outlined in the Report and Order, Docket 87-112 (Block #21). The applications are simultaneously coordinated by APCO. After this point the FCC would grant the license(s) to the applicant (Block #23).

The licensee has ^{FIVE} ~~three~~ years to implement the system. Should systems implementation not begin (award of contract) within a two year period or if projected channel loading is not attained within three years, after granting of license the channels will be returned for re-allocation to others. Systems implementation is monitored by the Local Designated Frequency Advisor who determines if progress is made on the implementation of the system (Block #24). Monitoring of systems implementation by the Local Designated Frequency Advisor will take place at a minimum of six month intervals. If progress is made the system is ultimately implemented (Block #26). If progress is not made

the licensee is warned of the consequences of his lack of progress (Block #27). The Local Designated Frequency Advisor continues to monitor progress on the implementation of the system (Block #28). If the continued monitoring indicates that progress is still not being made the licensee is notified of pending action to withdraw the license (Block #29). The notified licensee can appeal this action (Block #30) or can allow the license to be withdrawn. If the allocated frequencies are withdrawn they are added back to the frequency pool (Block #32) and the process starts a second iteration at Block #1.

Appeal Process

Throughout the frequency allocation process applicants are given opportunities to appeal decisions which have caused rejection of their application. An applicant who decides to appeal a rejection should initiate that appeal directly to the FCC upon notification of rejection.

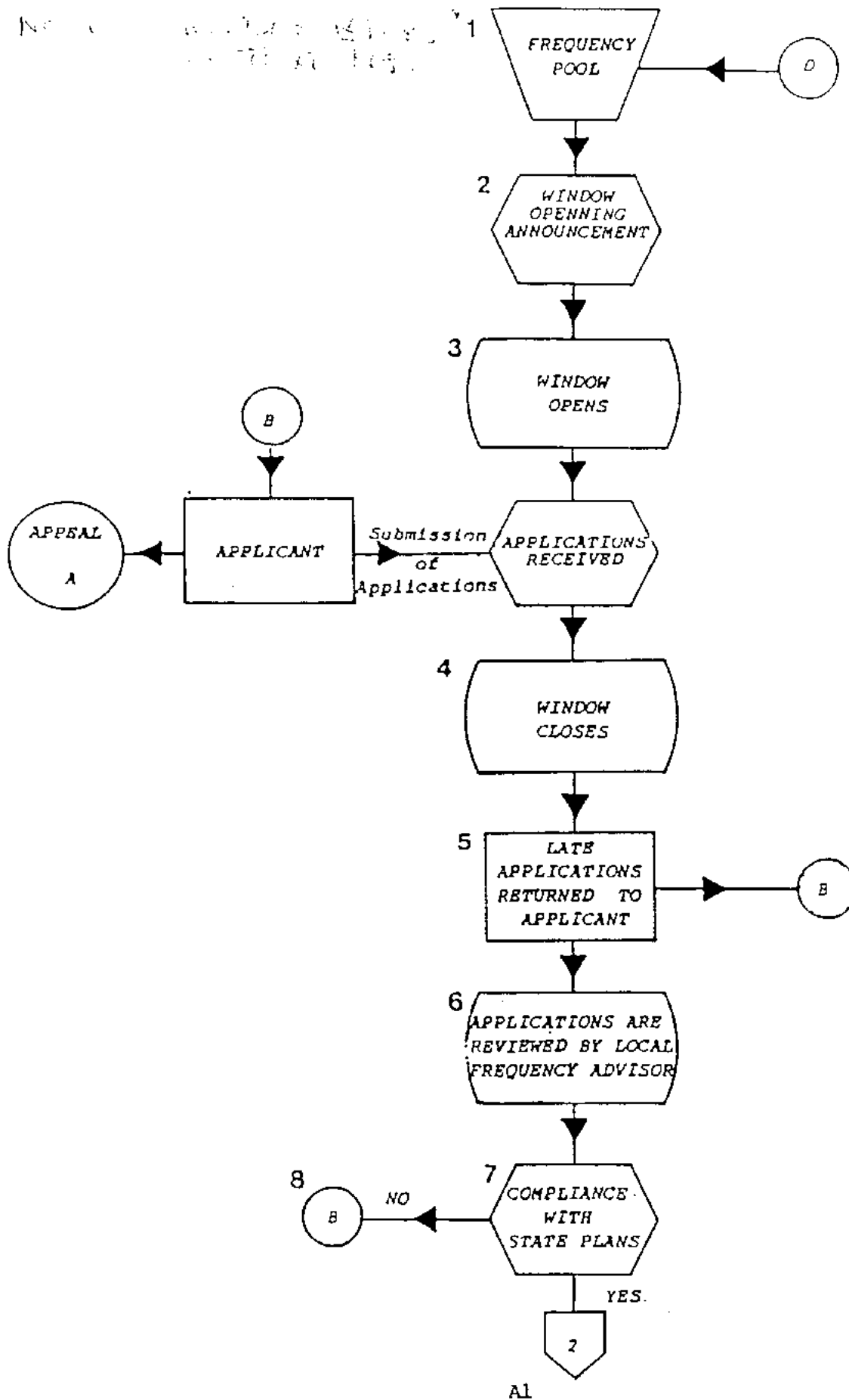
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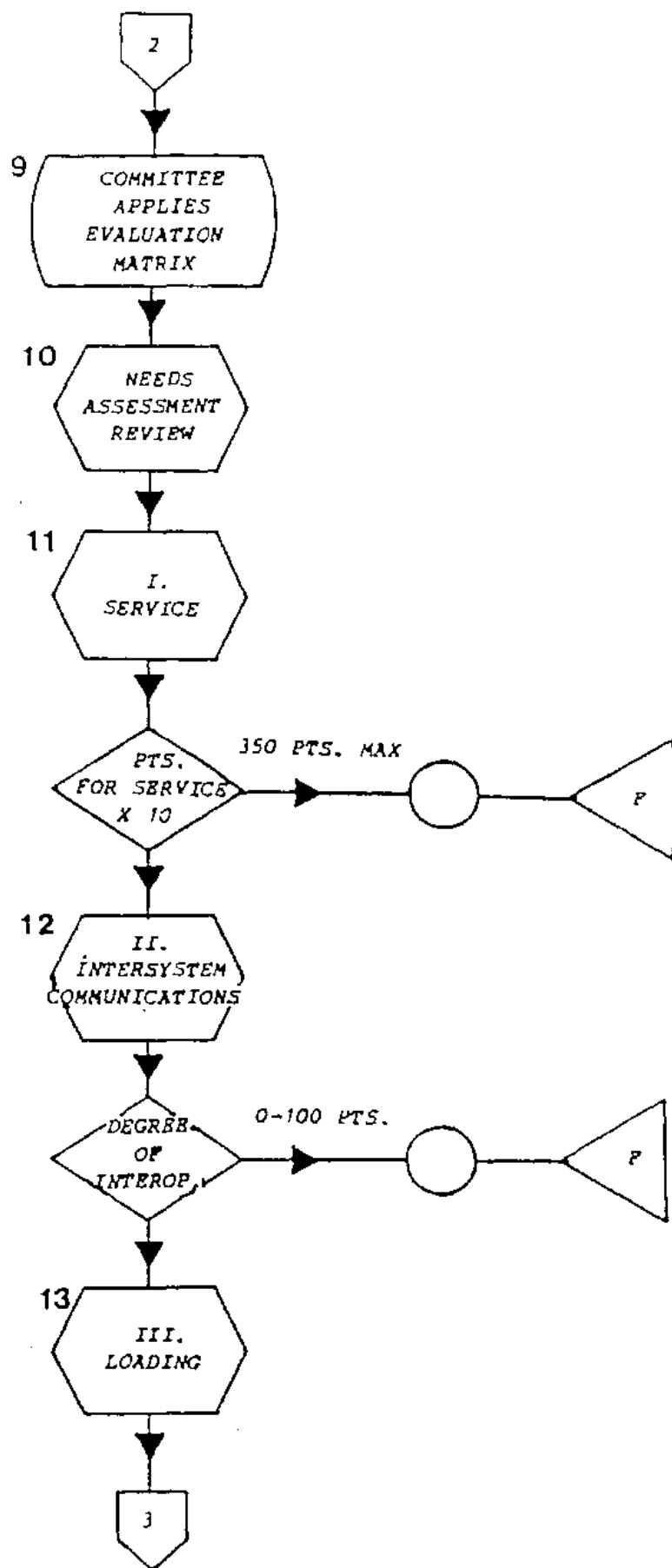
Future Planning Requirements

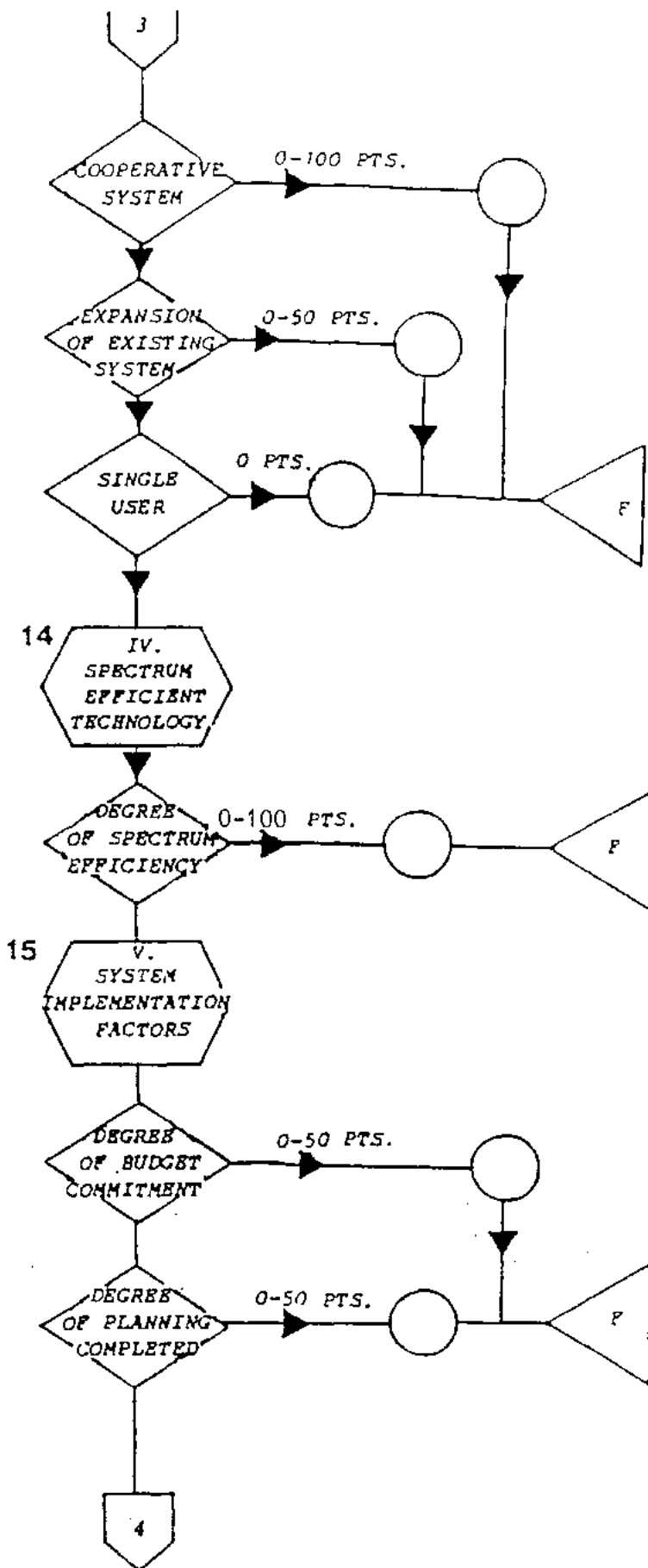
In order to provide realistic planning for public safety communications into the future, it is necessary to have sufficient contiguous spectrum available at the onset of the planning process. There is a need for public safety contiguous virgin spectrum into which an orderly migration over a long term may proceed. The amount of spectrum allocated need not require any more spectrum than that already allocated to public safety. Efficiency gained through contiguous spectrum and advanced technology will result in adequate public safety communications. In exchange for contiguous spectrum existing bands from 30 MHz through the newly allocated 800 MHz could be returned to allocation to other radio services. Without sufficient spectrum available, this planning effort is relegated to merely distributing the recently identified public safety band at 800 MHz. In urban areas, where frequency need and shortage are the greatest, these channels will be depleted before any type of significant planning process can make an inroad to the public safety communications problem. Future TV sharing has the capability of providing additional spectrum to the urban areas. However, this is yet another band that will further divide the interoperability of public safety. Additionally, this spectrum will be made available only within the major urban areas, leaving

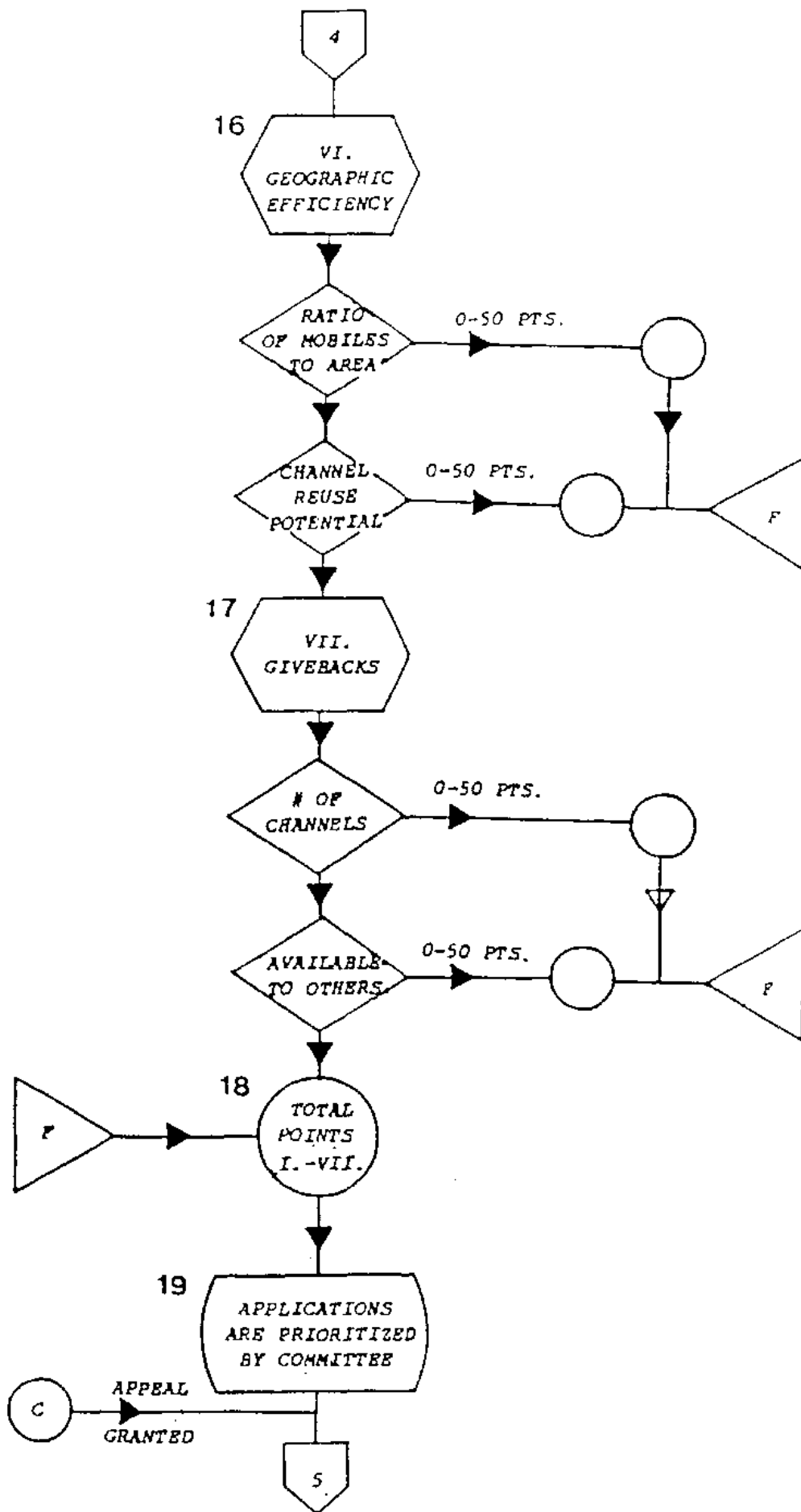
those areas just outside of the major urban areas without spectrum at 800 MHz or TV sharing. If, at a minimum, this plan could consider 800 MHz and TV sharing together, a more equitable and longer lasting plan could be developed. TV sharing would be used for limited coverage urban systems, while 800 MHz would be used for wide area systems which are beyond the scope of TV sharing. Although allocation of spectrum in a piecemeal fashion is necessary to avert the present Public Safety crisis, holding this allocation as a pretext of a comprehensive Public Safety communications plan is at best untenable and in reality unconscionable.

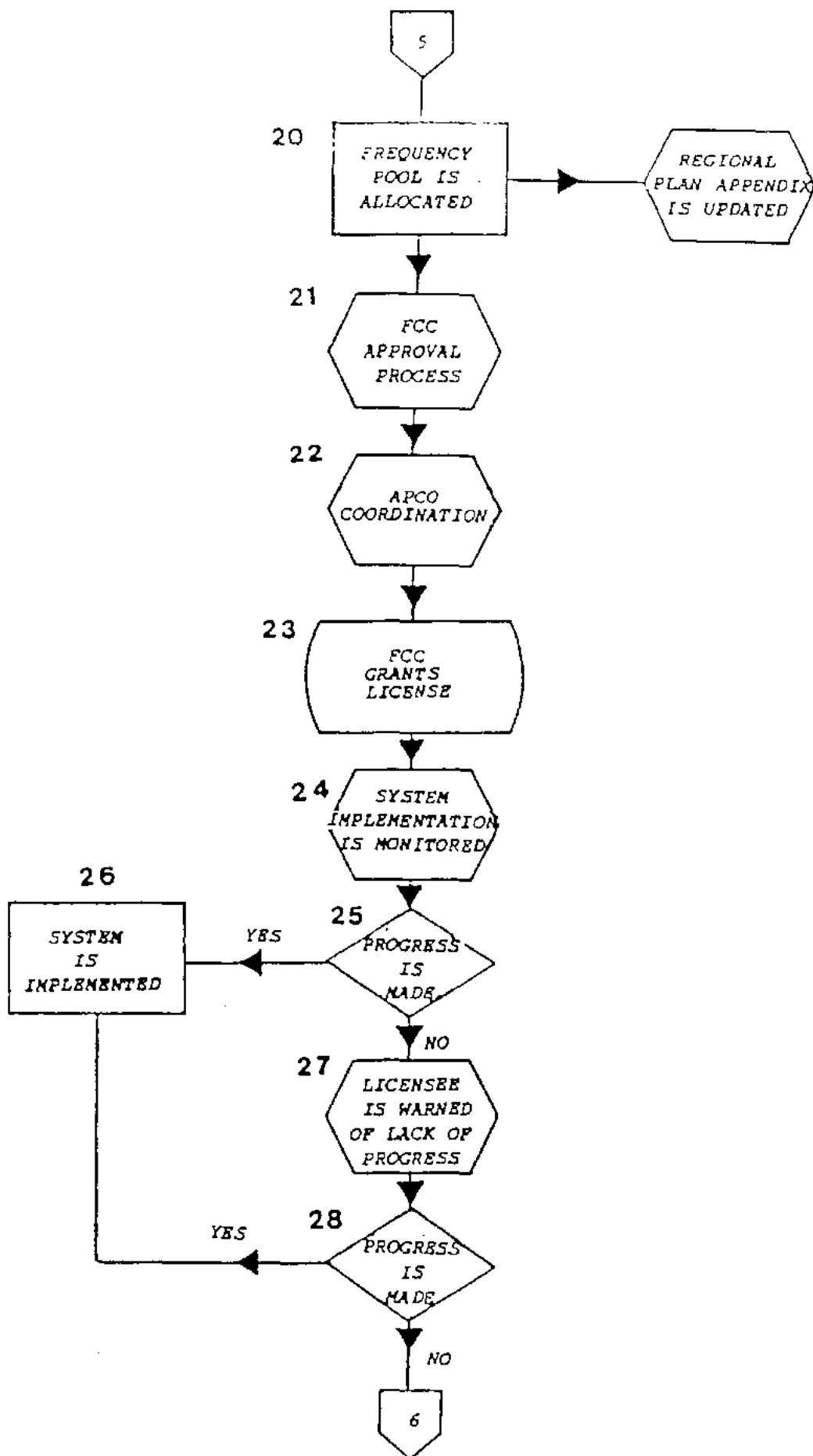
EVALUATION MATRIX

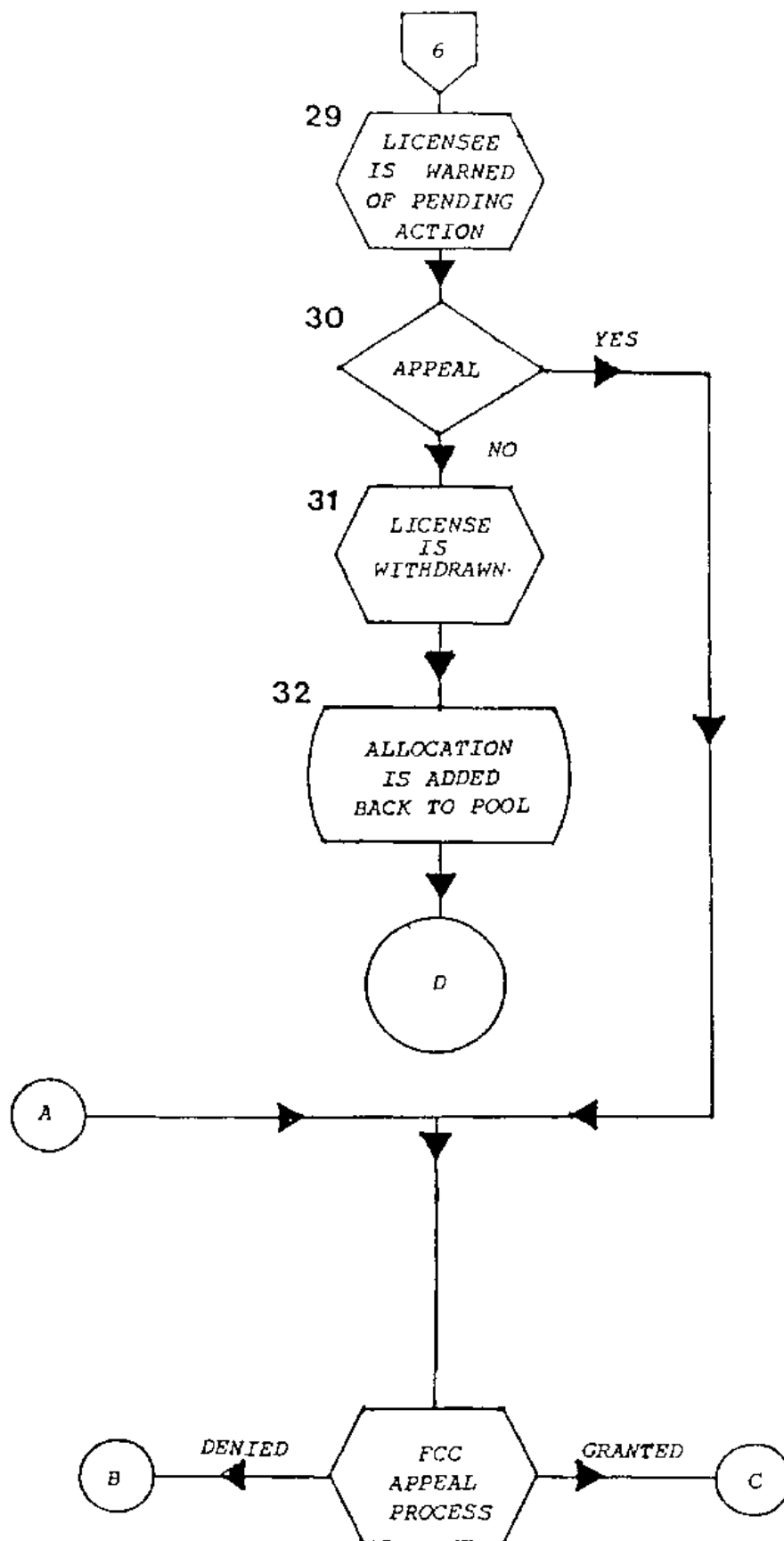












POPULATION IN THE TRI-STATE REGIONAL PLANNING AREA
1986, 2005

(thousands)

County	Population 1986	Population 2005	Change	Percent Change
New York State				
Brooklyn	2,293	2,302	9	0.4
Bronx	1,194	1,183	-11	-0.9
Queens	1,923	1,963	40	2.1
Richmond	375	453	78	20.8
Manhattan	1,478	1,482	4	0.3
Nassau	1,323	1,325	2	0.2
Suffolk	1,312	1,447	135	10.3
Westchester	863	898	35	4.1
Rockland	266	315	49	18.4
Putnam	82	107	25	30.5
Orange	282	340	58	20.6
Sullivan	69	76	7	10.1
Ulster	164	181	17	10.4
Dutchess	257	287	30	11.7
TOTAL NY STATE	11,881	12,359	478	4.0
NEW JERSEY				
Sussex	123	186	63	51.2
Passaic	461	495	34	7.4
Bergen	837	939	102	12.2
Warren	87	99	12	13.8
Morris	419	509	90	21.5
Essex	842	871	29	3.4
Hudson	553	632	79	14.3
Hunterdon	97	122	25	25.8
Somerset	216	324	108	50.0
Union	504	539	35	6.9
Mercer	323	410	87	26.9
Middlesex	638	801	163	25.5
Monmouth	543	688	145	26.7
TOTAL NJ STATE	5,643	6,615	972	17.2
CONNECTICUT				
Fairfield	843	863	20	2.4
Litchfield	165	171	6	3.6
New Haven	789	812	23	2.9
TOTAL CONNECTICUT	1,797	1,846	49	2.7
TOTAL AREA	19,321	20,820	1,499	7.8

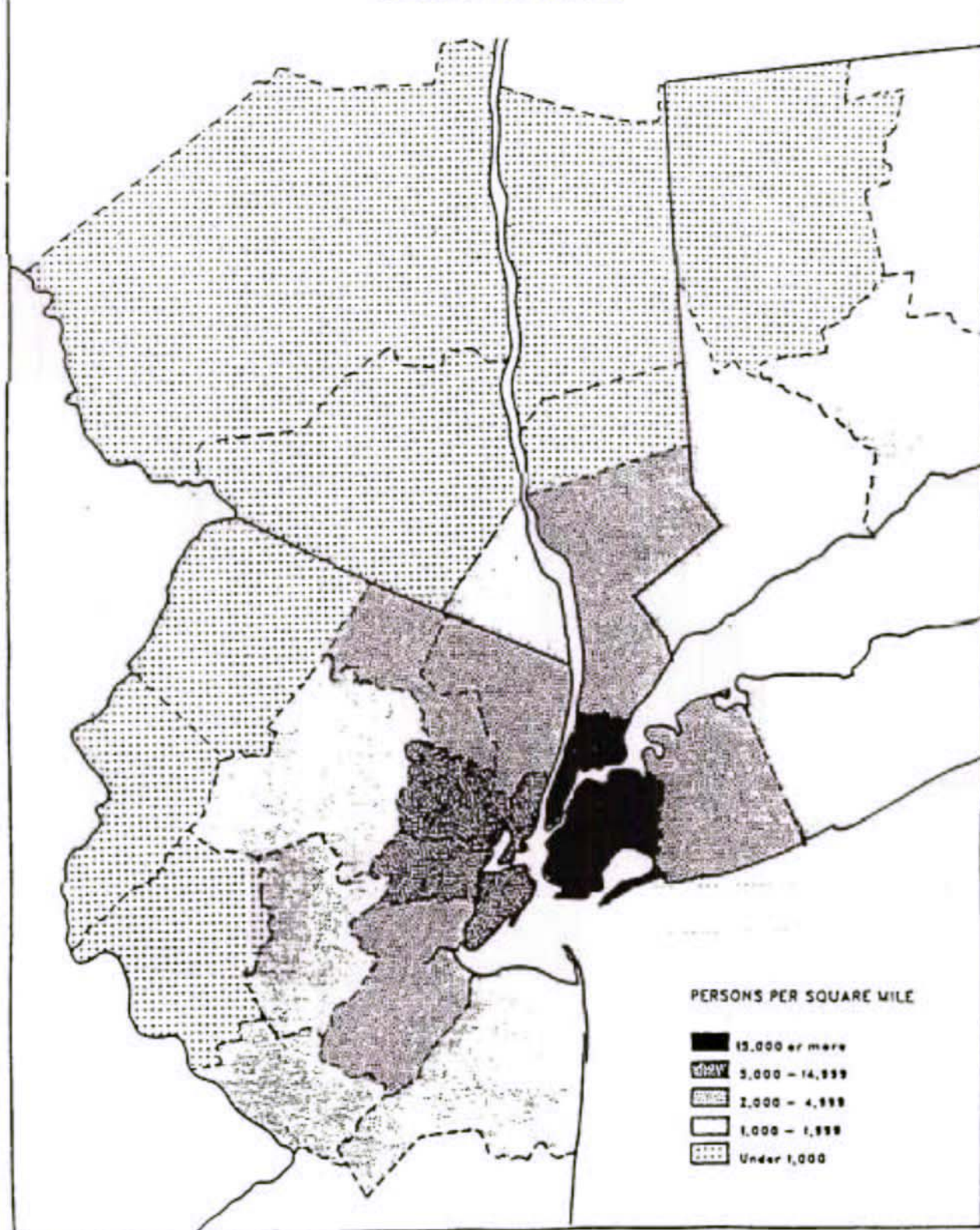
Source: 1986 U.S. Bureau of the Census; 2005 Port Authority of NY & NJ, New York State Dept. of Commerce; New Jersey State Dept. of Labor; Connecticut State Office of Policy and Management.

POPULATION DENSITY OF COUNTIES IN THE REGIONAL PLANNING AREA
PLANNING AREA
1986, 2005

County	Square Miles	<u>1000s of People per Square Mile</u>	
		1986	2005
<u>New York State</u>			
Brooklyn	70	32.8	32.9
Bronx	42	28.4	28.2
Queens	108	17.8	18.2
Richmond	59	6.4	7.7
Manhattan	22	67.2	67.4
Nassau	287	4.6	4.6
Suffolk	912	1.4	1.6
Westchester	438	2.0	2.1
Rockland	175	1.5	1.8
Putnam	231	0.4	0.5
Orange	826	0.3	0.4
Sullivan	976	0.1	0.1
Ulster	1,131	0.1	0.2
Dutchess	804	0.3	0.4
<u>TOTAL NY STATE</u>	6,081	2.0	2.0
<u>NEW JERSEY</u>			
Sussex	525	0.2	0.4
Passaic	187	2.5	2.6
Bergen	237	3.5	4.0
Warren	359	0.2	0.3
Morris	471	0.9	1.1
Essex	127	6.6	6.9
Hudson	46	12.0	13.7
Hunterdon	427	0.2	0.3
Somerset	305	0.7	1.1
Union	103	4.9	5.2
Mercer	227	1.4	1.8
Middlesex	316	2.0	2.5
Monmouth	472	1.2	1.5
<u>TOTAL NJ STATE</u>	3,802	1.5	1.7
<u>CONNECTICUT</u>			
Fairfield	632	1.3	1.4
Litchfield	922	0.2	0.2
New Haven	610	1.3	1.3
<u>TOTAL CONNECTICUT</u>	2,164	0.8	0.9
<u>TOTAL AREA</u>	12,047	1.6	1.7

Source: Port Authority of New York & New Jersey; New York State Department of Commerce; New Jersey State Department of Labor; Connecticut State Office of Policy and Management.

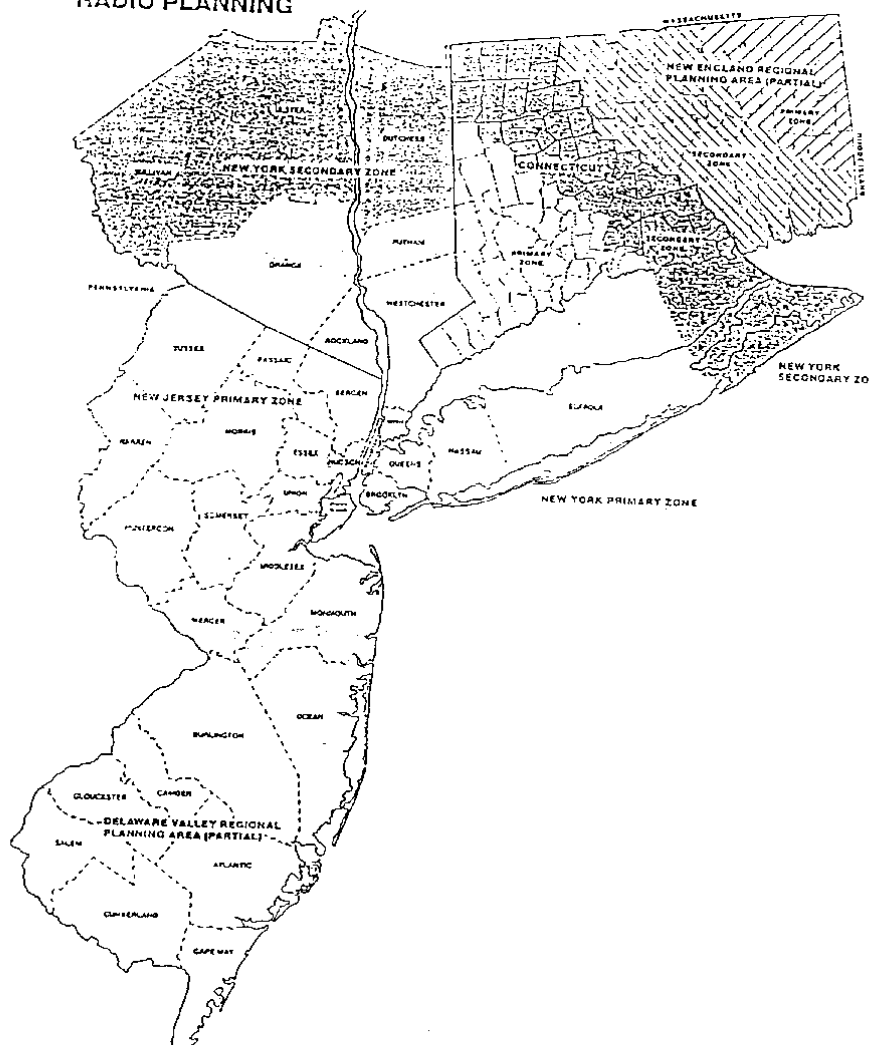
Population Density
Regional Planning Area
Forecast 2005



TRI-STATE REGIONAL PLANNING COMMITTEE (REGION 8 - CT, NJ, NY)

Service Point Rating	Min Val	Avg Val	Max Val	Point
All Local Government (Avg)	6.8	11.6	16.6	116
Transit Systems	0.0	13.9	25.0	13
Utility Operations	0.0	15.3	30.0	15
School Boards	0.0	6.9	20.0	69
Administration	0.0	9.3	25.0	9
Maintenance	0.0	10.2	26.0	10
Security Patrols	0.0	13.3	30.0	133
Emergency Management	0.0	16.6	35.0	166
Other Functions	0.0	6.8	25.0	68
Primary Police	35.0	35.0	35.0	350
Auxiliary Police	0.0	17.7	35.0	177
Fire	25.0	34.0	35.0	340
Highway	2.0	20.5	35.0	205
Forest Fire	0.0	24.2	35.0	242
Conservation	0.0	15.6	35.0	156
All Medical Services (avg)	8.1	12.0	19.4	120
Hospitals	5.0	19.4	35.0	194
Invalid Coach	0.0	8.5	30.0	85
Physicians	0.0	8.1	30.0	81
Rescue-BLS & ALS	10.0	29.6	35.0	296
Physically Handicapped	0.0	9.0	20.0	90
Veterinarians	0.0	3.6	15.0	36
Disaster Relief Org.	0.0	15.0	30.0	150
All School Buses (avg)	6.2	9.2	13.7	92
Private Under Contract	0.0	6.2	20.0	62
Municipal Operated	0.0	7.7	15.0	77
Part of OEM EVAC	0.0	13.7	25.0	137
Beach Patrols	0.0	12.7	31.0	127
Isolated Areas	0.0	7.2	21.0	72
Comm Standby Facilities	0.0	10.2	30.0	102
Repair of Comm Facilities	0.0	12.3	30.0	123

PUBLIC SAFETY RADIO PLANNING



FREQUENCY ASSIGNMENT METHODOLOGY

Introduction:

The frequency assignment methodology used is a two stage process. The first stage is to assign channels, to the degree possible, to all eligibles who have applied for them in accordance with the committee's plan. The second stage is to create frequency pools to be used by future applicants for channels which satisfy the coverage and interference parameters to be defined later in this section.

Desired Coverage:

The desired coverage of a system is considered to be, as a maximum, three (3) miles outside of the boundary of the applicant's jurisdiction. The maximum "designed mean signal strength" at this contour shall not exceed +40dbu (+40db above one microvolt per meter). In order to allow for practical system design, the 3 mile pad may be altered on a case by case basis, and the minimum coverage radius in all cases shall be five (5) miles.

Interference -- Co-channel:

Co-channel assignments will be made when it is determined that the two or more systems will create a signal strength of +5dbu or less anywhere within their co-channel partner's boundary.

Interference -- Adjacent Channel

Adjacent channel assignments will be made when it is determined that the two or more systems will create a signal strength of +25dbu or less anywhere within their adjacent channel partner's boundary.

Miscellaneous Considerations

For practical engineering reasons in the area of transmitter combining, frequency assignments for the same site, for the same applicant, will be spaced 0.25 MHz apart, to the degree possible.

Computer Model

The computer propagation model used to calculate the "designed mean signal strength" is Okumura/Hata. This model has been shown to provide the most accurate results in this frequency band.

Computer Aided Assignments

A computer program is used to do the many calculations and iterations required to solve an otherwise impossible task of efficient channel usage.

Inputs to the program include the applicant's identification, location, coverage requirements and number of channels.

The computer will take all of the inputs and find, if possible, a solution of specific channel assignments which meet the coverage and interference parameters stated above using the minimum number of channels.

Following this stage, future assignments are considered by creating compatible pools of channels based on growth projections of population.

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Hartford, CT 06106
(203)566-3243

Mr. Myron Polulak
District Sales Manager
Motorola C & E Inc.
2138 Silas Deane Highway
Rocky Hill, CT 06067
(203)563-2361

Mr. Robert G. Quackenbush
Supervisor of Radio Communications
New York State
Dept. of Trans.
Washington Ave., Bldg. #5
Campus Bm. #113
Albany, NY 12232
(518)457-4783

Myles Quinn
Suffolk County
FRES
P.O. Box 85
Yaphank, NY 11980
(516)345-6349

N. H. Raynor
Town of East Hampton
Police Department
159 Pantigo Rd.
East Hampton, NY 11937
(516)324-0024

John F. Raynor
Communications Division Supervsr.
Town of Southold
Police Department
Peconic, NY 11958

Ed Rees
Norwalk Police Dept.
297 West Avenue
Norwalk, CT 06852
(203)854-3020

Joseph P. Reilly
Captain of Police
Stamford Police Department
805 Bedford St.
Stamford, CT 06901
(203)977-4402

Fran Renehan
Public Affairs
Federal Communications Commission
One Battery March Park
Quincy, MA 02169
(617)770-4023

Mr. Richard A. Rifi
Supervisor of "911"
City of New Haven
200 Orange Street
New Haven, CT 06510
(203)787-6234

Harry W. Rilling
Deputy Chief
Norwalk Police Dept.
297 West Ave.
Norwalk, CT 06852
(203)854-3020

Lt. Thomas Rodia
Stratford Police Dept.
900 Longbrook Ave.
Stratford, CT 06497
9203)385-4101

Sgt. Charles Roell
Westchester County
Police Department
Saw Mill Parkway
Hawthorne, NY 10532

Mr. Evans Roupas
Motorola C & E Inc.
85 Harristown Rd.
Glen Rock, NJ 07452

Richard T. Rowan P.E.
Director
Town of Hempstead
Traffic Control
1585 Merrick Road
Merrick, NY 11566
(516)378-2260

Mr. Raymond Rush
Coordinator
Westchester County
Dept. of Fire Svcs.
Dana Road
Valhalla, NY 10595
(914)592-8145

Mr. Joseph C. Saia
New Jersey State Police
P.O. Box 7068
West Trenton, NJ 08625
(609)882-2000 2383

Anthony Sambuca
Supervisor of Radio Communications
New York State
Dept. of Trans.
Bldg. 5, Room 114, State Campus
1220 Washington Ave.
Albany, NY 12232
(518)457-2123

Mr. Frank Samlick
Deputy Comm. Bldgs. & Grounds
Town of Babylon
Public Safety
999 North Indiana Ave.
Lindenhurst, NY 11757
(516)957-3096

Mr. Joseph Sanzoverino
Deputy Commissioner
Nassau County
Dept. of Pub. Works
1 West Street
Mineola, NY 11501
(516)535-4076

Joseph Sauerwein
Chief Fire Prevention Inspector
Town of Brookhaven
3233 1/2 Route 112
Medford, NY 11763
(516)451-6262

Mr. Robert F. Schlieman
New York State Police
State Campus
Public Security, Bldg. #22
Albany, NY 12226
(518)457-9466

Mr. Fred Schwab
Public Works Coordinator
Nassau County
Civil Defense
One West Street
Mineola, NY 11501
(516)535-3158

Mr. Raymond Skjold
District Sales Manager
General Electric Company
2 Executive Plaza
Fort Lee, NJ
(201)944-5400

Ms. Annemarie C. Stanford
District Sales Manager
General Electric Company
1 Prestige Drive, Bldg. "A"
P.O. Box 910
Meriden, CT 06450
(203)238-6870

Sgt. Thomas Steel
Communications Officer
White Plains
Police Department
279 Hamilton Ave.
White Plains, NY 10601
(914)682-4455

Mr. Bryant Stevens
Fire Protection Specialist
New York State
Fire, Prev. & Control
162 Washington Ave.
Albany, NY 12205

Mr. Vincent R. Stile
Police Communications Systems Dir.
Suffolk County
Police Department
Command 5340
Yaphank Avenue
Yaphank, NY 11980
(516) 345-6431

Asst. Chief A.J. Stipo
Executive Officer
Town of Somers
Police Dept.
Somers Town House
Somers, NY 10589

Mr. Richard Tebaldi
Director of Code Enforcement
Town of Brookhaven
113 Old Town Road
Coram, NY 11727
(516) 451-6161

Captain Gregory D. Tomlin
Stamford Police Dept.
805 Bedford St.
Stamford, CT 06901
(203) 977-4811

Chief John R. Tramontano
Town of Hamden
Dept. of Fire Svcs.
2372 Whitney Ave.
Hamden, CT 06518
(203) 281-4221

Mr. John Valentine
Director of Public Safety
Town of Smithtown
Code Enforcement
Town Hall, PO Box 575
99 West Main St.
Smithtown, NY 11787
360-7585

Harry R. Villardi
Commissioner
Village of Hempstead
Police Department
99 Nichols Court
P.O. Box 32
Hempstead, NY 11551

Mr. Emil T. Vogel
Manager, Spectrum Resources
Motorola C & E Inc.
Gov't Markets Div.
85 Harristown Road
Glen Rock, NJ 07452
(201) 447-4000

Mr. Bernie Wagenblast
Manager, Public Info. & Sp. Proj.
TRANSCOM
25 Journal Square
1st Floor
Jersey City, NJ 07306
(201) 963-4033

Mr. John A. Wagner
Supervisor of Investigations
Town of Smithtown
Code Enforcement
65 Maple Ave.
Smithtown, NY 11787
(516) 360-7553

Mr. Eugene Weiblen
Sr. Communications Engineer
T-Cad Corp.
639 Research Parkway
Meriden, CT 06450
(203) 630-0505

Charles R. West
Meriden Police Dept.
165 Miller St.
Meriden, CT 06450

Chief Raymond J. White
Village of Scarsdale
Fire Headquarters
Post & Fernmore Rds.
Scarsdale, NY 10583
(914) 723-2514

Carroll F. White
Comm. Mgr./Police Division
Port Authority of New York
and New Jersey
One Path Plaza
2nd Floor
Jersey City, NJ 07306
(201)963-7285

Lt. Robert White
Shelton Police Department
85 Wheeler St.
Shelton, CT 06484
(203)735-3357

Captain Richard Winter
New York City Police Department
Communications Div.
50-16 59th Place
Woodside, NY 11377
(718)476-7553

Lt. Marden Wolf
White Plains
Fire Department
219 Mamaroneck Ave.
White Plains, NY 10605

M. Yorke
Essex County
Dept. of Public Work
Engineers Division
34 Forest Ave.
Caldwell, NJ 07006

Chief John E. Yost
City of Norwalk
Fire Department
121 Connecticut Ave.
Norwalk, CT 06854
(203)866-2025

Mr. Thomas E. Zakowasky
Alderman
City of Shelton
54 Hill Street
Shelton, CT 06484
(203)929-3165

Mr. John Zalerin
Motorola C & E Inc.
2138 Silas Deane Highway
Rocky Hill, CT 06067

Det./Lt. Joseph J. Zampano
Shelton Police Department
85 Wheeler Street
Shelton, CT 06484
(203)735-3357

Mr. Walter J. Zielinski
Alderman
City of Shelton
28 Chestnut St.
Shelton, CT 06484

NOTIFICATION LIST

In addition to those listed in this Appendix, other individuals and agencies were notified by the APCU designated frequency advisors for the Tri-State Planning Region.

FEDERAL GOVERNMENT

Director
Federal Emergency Management Agency
500 C Street, SW
Washington, DC 20472

Regional Commissioner
U.S. Customs Service
Department of the Treasury
6 World Trade Center
New York, NY 10048

Regional Director
Federal Emergency Management Agency
26 Federal Plaza - Room 1349
New York, NY 10278

Regional Director
Alcohol Tobacco & Firearms Bureau
Department of the Treasury
6 World Trade Center
New York, NY 10048

Director
National Communications System
Washington, DC 20305-2010

Engineer in Charge
Field Office
Federal Communications Commission
201 Varick Street
New York, NY 10014

Assistant Secretary for
Communications and Information
National Telecommunications and
Information Administration
Department of Commerce
Washington, DC 20230

Special Agent in Charge
Federal Bureau of Investigation
26 Federal Plaza
New York, NY 10278

Director
National Security Agency
Fort George G. Meade, MD 20755-6000

Regional Administrator
U.S. Secret Service
Department of the Treasury
6 World Trade Center
New York, NY 10048

Charles L. Hutchison
National Telecommunications &
Information Administration
14th & Constitution Ave., NW - Rm. 4706
Washington, DC 20230

Administrator
Drug Enforcement Administration
N.Y. Regional Office
555 West 57th Street
New York, NY 10019

NEW YORK STATE GOVERNMENT

Director
State Emergency Management Office
Public Security Building
State Campus
Albany, NY 12226-5000

Secretariat
Disaster Preparedness Commission
Public Security Building
State Campus
Albany, NY 12226-5000

Director
State Civil Defense Commission
330 Old Niskayuna Road
Latham, NY 12110

New York State Clearinghouse
(State Single Point of Contact)
Division of the Budget
State Capitol
Albany, NY 12224

Harlin R. McEwen, Deputy Commissioner
N.Y. State Division of Criminal
Justice Services
Bureau for Municipal Police
Executive Park Tower, Stuyvesant Plaza
Albany, NY 12203-3764

Richard Barlette
Chief of Hazardous Material Bureau
New York State Office of Fire
Prevention and Control
Albany, NY 12231

NEW JERSEY GOVERNMENT

Director
Office of Emergency Management
Division of State Police
Box 7068
West Trenton, NJ 08625

Nelson S. Silver
(State Single Point of Contact)
State Review Process
Division of Local Government
Services, CN 803
Trenton, NJ 08625-0803

NEW YORK CITY GOVERNMENT

Director
Office of Emergency Management
One Police Plaza
New York, NY 10038

Commissioner Ernest Lee
Department of General Services
Municipal Building
20th Floor
One Centre Street
New York, NY 10007

CONNECTICUT STATE GOVERNMENT

State of Connecticut
James F. Blesso
Bureau of Statewide Emergency
Telecommunications
20 Grand Street
Hartford, CT 06106

State of Connecticut
Office of Civil Preparedness
Frank Mancuso, Director
360 Broad Street
Hartford, CT 06105

OTHER AGENCIES

Larry Jordan, President
National Association of State
EMS Directors
Emergency Medical Services
1317 Winewood Blvd., Bldg. #8
Tallahassee, FL 32301

Dale Stautfer
National Communications System
Attn: NCS/EPG
8th & S. Courthouse Road
Arlington, VA 22204

Raymond C. Scheppach
Director
National Governors Association
Hall of the States
444 N. Capitol Street, NW
Washington, DC 20001

Garth G. Shibles
National Communications System
8th & S. Courthouse Road
Arlington, VA 22204

Under Secretary (State Single
Point of Contact)
Attn: Intergovernmental Review
Coordinator
Comprehensive Planning Division
Office of Policy & Management
80 Washington Street
Hartford, CT 06106-4459

Ken Curtin
Director Private Services
American Red Cross
150 Amsterdam Avenue
New York, NY 10023

Maynard J. Tinsman, Jr.
Representative
Federal Emergency Management Agency
Office of Information Resources Management
Attn: Agency Frequency Manager
Washington, DC 20472

PRINT MEDIA

Editor
Communications Week
600 Community Drive
Manhasset, NY 11030

Editor
FCC Week
1300 North 17th Street
Arlington, VA 22209

Editor
Mobile Radio Technology
P.O. Box 12901
Overland Park, KS 66212

Editor
RCR
1728 Downing Street
Denver, CO 80218

Editor
Network World
Box 9171
375 Cochituate Road
Framingham, MA 01701-9171

Editor
Telecommunications Reports
1036 National Press Building
Washington, DC 20045

Editor
Industrial Communications
7811 Montrose Road
Potomac, MD 20854

Editor
Communications Daily
1836 Jefferson Place, NW
Washington, DC 20036

Editor
Communications News
124 South 1st Street
Geneva, IL 60134

PROFESSIONAL GROUPS

Executive Director
AASHTO
444 N. Capitol St., NW
Suite 225
Washington, DC 20001

Executive Director
Land Mobile Communications Council
1150 - 17th St., NW
Suite 1000
Washington, DC 20036

Executive Director
American Hospital Association
840 N. Lake Shore Drive
Chicago, IL 60611

Executive Director
National Association of Business
and Educational Radio
1330 New Hampshire, NW #122
Washington, DC 20036

Robert Tall, Executive Director
APCO
930 Third Avenue
P.O. Box 669
New Smyrna Beach, FL 32070

Phil Gibson
American National Red Cross
18th & D Streets, NW
Washington, DC 20006

Executive Director
Forestry - Conservation Communications
Association
P.O. Box 3758
Charlottesville, VA 22903-0758

Bob Kellow
American College of Emergency
Physicians
P.O. Box 619911
Dallas, TX 75261-9911

Executive Director
Forest Industries Telecommunications
P.O. Box 5446
Eugene, OR 97405

Executive Director
International Municipal Signal
Association
P.O. Box 8249
Fort Worth, TX 76112

Executive Director
International Association of
Chiefs of Police
13 Firstfield Road
P.O. Box 6010
Gaithersburg, MD 20878

Executive Director
IBTTA
2120 L Street, NW #305
Washington, DC 20037

CT NOTIFICATION LIST

800 Mega Hertz Regional Planning Process Connecticut Public Awareness Efforts

Articles regarding national and regional planning published in the July 1987, April 1988 and July 1988 editions of the "Connecticut Fireman". Circulation of 1500 copies to Fire Chiefs, Fire Officers and Fire Departments - estimated readership of 28,000.

Article regarding national and regional planning published in the March 1988 edition of the Connecticut Police Chiefs Association Newsletter "Police Hotline". Circulation of 700 copies to Police Chiefs and Law Enforcement Personnel.

Planning process and progress discussed with the State of Connecticut Emergency Telecommunications Executive, Fire, Police, and EMS Master Plan Committees. The Master Plan Committees are comprised of 12 Fire Chiefs, 8 Police Chiefs, 8 EMS representatives and 3 State of Connecticut Public Safety representatives geographically representing the entire State. Meetings were held on the following dates.

CT NOTIFICATION LIST

Executive Committee Meeting

March 28, 1988

May 27, 1987

Fire Subcommittee

July 26, 1988

January 1, 1987

Police Subcommittee Meetings

July 13, 1988

February 17, 1987

EMS Subcommittee Meetings

July 20, 1988

January 21, 1987

Planning process and progress discussed with the Fire Chief's Technical Advisory Subcommittee of the Connecticut Fire Chief's Association at meetings on the following dates:

March 16, 1988

January 20, 1988

January 21, 1987

Notice of the August 17, 1988 meeting was mailed to those applicants of 800 Mega Hertz spectrum whose applications had been received by the July 1, 1988 window closing.

NJ NOTIFICATION LIST

MAIL - DEFAULT REPORT

PAGE 1

04/20

First Name & Initial Address1	Last Name Address2	Agency	City	State
Henry J. 2090 Greenwood Ave.	Adams, Jr.	Office of Emerg. Mng.	Hamilton	NJ
Salvatore 64 Ridge Ave.	Anzilone	Tri-Boro Communications	Park Ridge	NJ
Mr. Alan Administration Building	Armitage Main Street	Hunterdon County Comm.	Flemington	NJ
Mr. Alfred High Tech Unit	Assalante 135 W. Hanover St. CN 230	General Service Admin.	Trenton	NJ
Donald Univ. of Med. & Dentistry	Banghart 65 Bergen Street	REMS	Newark	NJ
Jeffrey Communications Center	Batson	Morris Ctn. Sheriff Dept.	Morristown	NJ
William A. 39 Griggstown Rd.	Beachell	Montgomery Twp. Police	Belle Meade	NJ
Charles G. 352 Turnpike Road	Benn	South River EMS	South River	NJ
Dale A. 47 Broad Street	Bennett		Eatontown	NJ
Peter J. 2450 Third Street	Bernard	Police & Fire Systems	Fort Lee	NJ
Capt. Charles W 981 Caldwell Avenue	Berry	Township of Union	Union	NJ
Mr. Alvin J. Chief, Training Section	Beveridge C-081 Hughes Justice Ctr	Div. of Criminal Justice	Trenton	NJ
John J. 2 Denise Street	Blazakis	Franklin Twp Police Dept	Somerset	NJ
Lawrence 58 Old Mill Rd.	Bogden Jr		Tinton Falls	NJ

NJ NOTIFICATION LIST

PAGE 2

MAIL - DEFAULT REPORT

04/20.

First Name & Initial Address1	Last Name Address2	Agency	City	State
Daniel E. 278 Glenwood Avenue	Bridenburg		Leonia	NJ
Arthur F. P.O. Box 73877	Brown	Dept. of Corrections	Trenton	NJ
Mr. Edwin J. Washington Avenue	Chius	Hoboken Police Dept.	Hoboken	NJ
Ms. Pat OEM 120 Stockton Street	Cane CN 364	Department of Health	Trenton	NJ
Chief Alfred L. 1203 Paterson Plank Road	Corman	City of Secaucus	Secaucus	NJ
Domenick 103 Ryerson Ave.	Cotroneo	Paterson Fire Dept. 103	Paterson	NJ
Chief George J. 61 N. Munn Avenue	Osher	East Orange Police Dept.	E. Orange	NJ
Chief Robert M. Police Department	Denny 2600 Bayshore Road	Lower Township	Villas	NJ
Chief Thomas P. Police Department	Dugan 3 Herman Street	Glen Ridge Township	Glen Ridge	NJ
Martin J. 239 Lorraine Ave.	Dugan	Werner Comm. Co. Inc.	Upper Montclair	NJ
Henry M. 1152 St. George Avenue	Edwards	RAM Communications Inc.	Avenel	NJ
Paul County of Bergen	Einhornhafer 66 Zabriskie Street	Bergen County Emerg Man	Hackensack	NJ
Robert I. 72 Salthtown Rd.	Elms	Professional Engineer	Bud Lake	NJ
Mr. Andrew Communications Coord.	ELY 841 Georges Road	Middlesex County EMS	New Brunswick	NJ

NJ NOTIFICATION LIST

PAGE 3 MAIL - DEFAULT REPORT 04/20.

First Name & Initial Address1	Last Name Address2	Agency	City	State
Dayton R. P.O. Box 335	Elves	NJ Turnpike Authority	Hightstown	NJ
Mr. Thomas W. Radio	Essons Outch Lane Road	Monmouth County Police	Freehold	NJ
Everett J. 475 Valley Road	Faber	Wayne Police Dept.	Wayne	NJ
Mr. Thomas Dept. of Public Advocates	Fee CN 850	Office of Dispute Settlem	Trenton	NJ
Chief Herman G. 1 Civic Square	Fenchel	Town of Irvington	Irvington,	NJ
Douglas 300 North Avenue, East	Fink	Union Co. Comm. Division	Westfield	NJ
Mr. Judson Center	Fuller Veterans' Adm. Med. Cntr	National Disaster Medical	East Orange	NJ
Mr. Frank Hospital	Galorini Rt. 37	C/O Community Memorial	Toms River	NJ
Dr. Clayton NJ College of Med. &	Griffin Dept 150 Bergen Street	North Jersey Trauma Cntr.	Newark	NJ
Mr. John F. City of Jersey City	Guerra 575 Route 440	Centralized Maint. Garage	Jersey City	NJ
Mr. Larry Sheriff's Dept.	Gunzelman Courthouse, Main Street	County of Somerset	Somerville	NJ
Thomas 30 Prospect Ave.	Haffy III	Hackensack Medical Cnt.	Hackensack	NJ
Ms. Winnie 327 Bay Lane	Hartvissen		Mantoloking	NJ
Sgt. William 593 Lincoln Avenue	Heinzelman	City of Orange Police	Orange	NJ

NJ NOTIFICATION LIST

MAIL - DEFAULT REPORT

PAGE 4

04/20/

First Name & Initial Address1	Last Name Address2	Agency	City	State
Chief Joseph A. Fire Department	Higgins 180 Pascoek Road	Woodcliff Lake Volunteer	Woodcliff Lake	NJ
Joseph A. 10 Pond Rd.	Higgins		Woodcliff Lake	NJ
J.J. 317 Pennsylvania Ave.	Landoll	Passaic Co. Police Dept.	Paterson	NJ
Eddmond A.	Keene 8 Erie Street	Jersey City Police Dept.	Jersey City	NJ
John C. River Rd. Box 7068	Kittel	Emergency Management	West Trenton	NJ
Ms. Jeanne Mobile Intensive Care Unit	Kerwin 99 Beauvoir Ave.	Overlook Hospital	Sylvan Summit	NJ
Ken Police Headquarters	Kirsch	South Brunswick Twp.	Manmouth Junct.	NJ
Chief George W. Police Department	Kluetz 214 West Hill Road	Washington Township	Long Valley	NJ
Ken RD 4, Box 25A	Koenitzer		Oak Ridge	NJ
Chief Robert P. 50 Nelson Place	Kuta	Essex County Sheriff's	Newark	NJ
Raymond E. 23 Hudson Place	Lax		Weehawken	NJ
Mr. George Emergency Medical Service	Leggett 1147 Lower Ferry Road	NJ Dept. of Health	Trenton	NJ
Mr. Irvin RCA-MSR	Lichtenste Hall Stop 135-204 FAA	RCA/GE Corporation NPSPAC	Moorestown	NJ
Mr. Fred Robin Hill Farm	Link	Telecommun. Consultant	Pittstown	NJ

NJ NOTIFICATION LIST

MAIL - DEFAULT REPORT

PAGE 5

04/20.

First Name & Initial Address1	Last Name Address2	Agency	City	State
Robert 435 Essex Street	MacLachlan	Millburn Police Dept.	Millburn	NJ
Chief Thomas City Hall	Martin	City of Newark Police Dept.	Newark	NJ
Off. R. F. 330 Passaic Street	Martino III	City of Passaic P. D.	Passaic	NJ
Lt. Neil Municipal Building	McMickle	Hopatcong Borough P.D.	Hopatcong	NJ
John 1203 Paterson Plank Road	Monaghan		Secaucus	NJ
Mr. Kevin 120 Stockton Street	Monahan CN 364	Department of Health	Trenton	NJ
Capt. James 3339 Rt. 46	Moore	Twp. of Parsippany-Tray	Parsippany	NJ
Edwin Prosecutor's Office	Muhlbeck 39 High Street	Sussex County	Newton	NJ
Mr. William 830 Broad Street	Murray	NJ First Aid Council	Shrewsbury	NJ
Dr. F. Carter Dept. of Surgery	Nance	St. Barnabas Medical Cntr	Livingston	NJ
Mr. Richard L. 66 Zabriskie Street	Nelson	County of Bergen	Hackensack	NJ
John R. P.O. Box 125	Neubauer		Collingswood	NJ
Walter 1 Old Bridge Plaza	Reiselsner	Old Bridge Police Dept.	Old Bridge	NJ
Glenn RD #1, Box 158	Reilly	Reilly Radio Comm.	Great Meadows	NJ

NJ NOTIFICATION LIST

PAGE 6 MAIL - DEFAULT REPORT 04/20

First Name & Initial Address1	Last Name Address2	Agency	City	State
Mr. James 380 Scotch Road	Ross	Dept. of Environmental Pr	West Trenton	NJ
Michael P.O. Box 1121	Rotola P.E.	N.J. Turnpike Authority	New Brunswick	NJ
Donald O. Communications Dept.	Sauvageat 1325 Inwood Terrace	Board of Fort Lee	Fort Lee	NJ
Chief Robert Police Dept.	Scherer 401 Southern Blvd	Chatham Twp.	Chatham	NJ
Steven Englewood Police Dept.	Schettini	Englewood Police Dept.	Englewood	NJ
Robert J. Court House	Sharr	Warren County Corrections	Belvidere	NJ
Stephen A. 7 E. Windsor Terrace	Salaway		Freehold	NJ
Roger J. 241 La Salle Avenue	Szanta		Hasbrouck Hgts.	NJ
Charles R. Police & Fire Comm. Sys	Taft 29 W. Hanover Street	City of Trenton.	Trenton	NJ
Sally 317 Pennsylvania Ave.	Tate	Passaic County CO-DC	Paterson	NJ
Douglas 1979 Township Dr.	Tinton	Marlboro Twp. Police	Marlboro	NJ
Malcolm M. 3106 Harrison St.	Turda		Wall	NJ
Mr. Bill CN 809	Wallace	Bureau of Fire Safety	Trenton	NJ
A.G. 318 Gardner Avenue	Wentzel, Jr		Trenton	NJ

NJ NOTIFICATION LIST

PAGE 7 MAIL - DEFAULT REPORT 04/20/8

First Name & Initial	Last Name	Agency	City	State
Robert F. PO Box 661	Weston	Middlesex Co. Park Police	New Brunswick	NJ
Mr. Gareth Mobile Intensive Care Unit	Williams 99 Beauvoisin Ave.	Overlook Hospital	Sylvan Summit	NJ
John D. Municipal Plaza	Wills Schanck Road	Freehold Twp. Police	Freehold	NJ
Thomas J. 21 West Mill Road	Zellman	Washington Twp. P.O.	Long Valley	NJ

RECORDS SELECTED 88

NY NOTIFICATION LIST

REGIONAL MEETING NOTICES
MAILING FEBRUARY 29, 1988
MAILING APRIL 5, 1988

FULL PACKAGE:

Cronin - Suff. DOT	Shinnick - Suff. DOT
Sauerwein-Bkhaven Fire	Anderson - Nassau PD
Garrigan- Malverne	Kilichowski-Floral Park
Sanzoverino-Nass DPW	Ange - Nass DPW
R Winters - NYC PD	Weiner-NYC Gen'l Svc.
Gus Pappas - NYC H&H	Donald Dozier-Javits Ctr.
Don Marx - SUNY Stonybrook	Ray White - Scarsdale Fire
Paul Munch- Mamaroneck PD	

NOTICE AND UPDATE:

Town Supervisors:	
Arthur Pitts - Babylon	Henrietta Acampora -Brookhaven
Tony Bullock - East Hampton	Stephen C. Ferraro -Huntington
Frank R.Jones- Islip	Joseph F. Janoski -Riverhead
Jeffrey Simes- Shelter Is.	Patrick Vecchio -Smithtown
Mardythe DiSiro-Southampton	Francis J. Murphy - Southold
Joseph Mondello -Hempstead	Gregory Peterson - Hempstead
John B. Kiernan -N.Hempstead	Angelo Delligatti - Oyster Bay
Nassau Cty Executive - Thomas Gilotta	

John Cahill - NYS DOT	Jim Spero - Leg. Budget Review
Tony Edwards- Putnam Cty	Cal Capkanis - "
Comm. Villardi- V. Hempstead	Hal Petersen- Telemobile
Ernest Cipullo- Nass Chiefs	Harold Winter- Suffolk Chiefs
Sgt Roell - Westchester PD	Morton Leifer- Clarkstown PD
Sgt De Meo- Ramapo PD	Allan Hettrick- Suff Sheriffs
Lt Handley-New Rochelle PD	Chief O'Farrell - "
Dudley Field- Kismet Fire	Joseph Ra - Town Hempstead #6
Comm. Dolce - White Plains	Frank Randall - Health Dept.
Herb Davis - FRES	Hyles Quinn - FRES
Bill Larkin- FRES	John Muuss - Tn Islip
S. Moran - Tn Huntington	T. Liquori- Bkhaven P.S.
Ch.O'Brien- Nassau Cty	P. Schoenberger-Nass Sheriff
Robert Andruzzi-Tn Oyster Bay	M. Palmaghatti- Hempstead
James Avondet -Tn Hempstead	T. Mohrman - Tn N. Hempstead
Bernard Smith - NYC Gen'l Svc.	Alan Boritz - NYC Gen'l Svc.
Gerry Coorssen-NYC Fire Dept.	Stephen Goro - NYC Bd of Ed
John Harrington - PA	Ernest Lee - MTA
Barry Chapins - Yonkers	Arthur Freed-Westchester
Donald Singer - Tn Greenburgh	F.McGarry-NYS Fire Admin.
Capt. Kamp - Yonkers PD	C. Peterson-Exec. Budget Off.
Gordon Crook - US Marshal Svc.	D. Levin-NYC Dept. of Inv.
John Valentine-Tn of Smithtn	

NEW YORK
METROPOLITAN AREA
REGIONAL PLANNING COMMITTEE
REGION 8

First Official Meeting - Town Hall, Greenwich Connecticut
April 13, 1988

Attendees: Attachment "A"
Notification: Attachment "B"
Task Groups: Attachment "C"
FDR-2 Form: Attachment "D"

Minutes:

1. Sign-in of attendees began 9:15 A.M.
2. Meeting began 10:00 A.M.
3. Mr. Norman R. Coltri, P.E., Second Vice President of APCO Atlantic Chapter, introduced Mr. Carroll White, Communications Manager, with the Port Authority of NY & NJ and Convenor of the New York Metropolitan Area Communications Regional Planning Committee for Region 8, appointed by the Associated Public Safety Communications Officers, Inc. (APCO) in accordance with the Rule and Order, FCC General Docket 87-112.
4. Mr White announced that usual rules of order would be observed. He appointed Mr. Vincent R. Stile as temporary Secretary.

An announcement was made for anyone who had not received the handouts to leave his name and address with the receptionist and all material would be mailed as soon as possible.

5. Mr. White proceeded to give a brief history of the N.Y. Metro Area Ad Hoc Committee, the group formulated approximately two years ago with the intention of lobbying for Public Safety spectrum relief. Those in attendance at any of the early meetings constituted the basis of a mailing list which grew as interest increased. Each of the APCO local area frequency advisors maintained a list of the concerned and interested public safety communicators from his state.
6. Mr. White then explained the committee's involvement in the National Public Safety Planning Advisory Committee (NPSPAC). It was the N.Y. Metro Area Ad Hoc Committee for Spectrum Relief that prompted APCO to negotiate with the Federal Communications Commission (FCC) for

the development of a National Plan for public safety use of the newly allocated 800 MHz spectrum.

A core committee of the NYMAC, acting in concert with NPSPAC, then began the development of a draft Regional Plan.

7. Mr. White reviewed the formation of NPSPAC, explaining that this group produced the Public Safety National Plan which was accepted by the FCC. The Commission then composed the Report and Order, General Docket No. 87-112, in the matter of: "Development and Implementation of a Public Safety National Plan and Amendment of Part 90 to establish service rules and technical standards for use of the 821-824/866-869 MHz bands by the Public Safety Services".
8. Overhead slide projection was utilized to discuss:
 - A. Requirements for establishing a Regional Planning Committee.
 - B. What a Regional Plan should contain.
 - C. Regional Planning Tasks for the formulation of a Regional Plan.
 - D. Future spectrum considerations.
 - E. How the approval process for the assignment of the new 800 MHz spectrum will work.
9. Mr. White outlined the regional boundaries of the NYMAC and the recently released FCC Memorandum Opinion and Order regarding regional boundaries.
10. Election of Chairperson:

Nominations were accepted for a chairperson for this N.Y. Metropolitan Area Regional Planning Committee.

 - A. Mr. Henry DeGeneste, Director of Public Safety and Supt. of Police with the Port Authority of NY & NJ was nominated by Mr. Vincent Stile and seconded by Mr. Harry R. Villardi, of Hempstead NY, and Mr. Robert F. DiBella of Hartford CT. (Additional seconds not here recorded). There were no other nominations.
 - B. A move to close nominations was made by Mr. Robert F. Schlieman and seconded by Mr. William Lahm.
 - C. No discussion.
 - D. By unanimous vote Mr. Henry DeGeneste was elected Chairman of the New York Metropolitan Area Regional Planning Committee.

11. Chairman DeGeneste made three appointments:

- A. Mr. Carroll White was appointed Committee Coordinator.
- B. Mr. Vincent Stile was appointed Secretary.
- C. Mr. Arthur Von Holtz was appointed Parliamentarian.

12. Operating Procedures:

Chairman DeGeneste presented the following operational procedures.

- A. Anyone present may address the meeting, after being recognized by the Chair.
- B. A quorum will consist of at least two (2) eligible members, each representing a different agency, from each state (CT, NJ, NY) plus the Chairman or his designee. In all cases a quorum would thus be seven (7) persons.
- C. Any number of members from an agency may participate at meetings, but each agency will have just one vote.
- D. All motions require the approval of one half plus one of all eligible agencies present to carry.
- E. Regular meetings will be scheduled, in advance, at intervals of approximately one month.
- F. Special meetings may be called by the Chair with seven (7) days notice to participating agencies.
- G. Eligible members may submit agenda items to the Committee Coordinator up to two weeks prior to the next scheduled regular meeting.
- H. Committee Coordinator will submit meeting agenda to the Chair for approval.

13. Sub-Committees:

The Chair designate the following sub-committees.
(A indicates Appointed, V Volunteered)

- A. Credentials
To determine representatives of particular agencies for voting purposes.
Arthur Von Holtz, Chairman (A)
Douglas Dickinson (A)

James Bayer	(A)
Richard Martino	(V)
Harry W. Rilling	(V)
Stanley Dutkus	(V)
Ronald Olson	(V)

B. Rules

To create formal rules and guidelines, including duties and responsibilities of officers.

William Lahm, Chairman	(A)
George Pohorilak	(A)
Robert Schlieman	(A)
William Ango	(V)
(another volunteer requested)	

C. Arrangements

To make provisions for meeting facilities and send notices.

George Pohorilak, Chairman	(A)
Mary Tornetta	(A)

D. FCC/APCO Liaison

To maintain contact with FCC and APCO

James Blesso, Chairman	(A)
Norman Coltri	(A)
Carroll White	(A)

E. Regional Interface

To coordinate with neighboring regions

Vincent Stile, Chairman	(A)
James Blesso	(A)
Joseph Salia	(A)

F. State Liaison

One member from each state to maintain contact with state agencies

Norman Coltri, Chairman	(A)
Robert DiBella	(A)
Vincent Stile	(A)
Richard Martino	(V)
(to assist with upper NYS affairs)	

NOTE: Credentials and Rules sub-committee chairmen will select committee members from among volunteers. Interested parties should furnish chairmen with reason(s) why they wish to serve on that sub-committee.

14. Distribution of NYMAC Draft Plan

15. Discussion of Regional Plan Tasks

- A. Develop a short and long term plan
- B. Regional interoperability

- C. Review process
- D. Application procedure and evaluation
- E. Spectrum efficiency
- F. Existing frequencies
- G. Digital voice encryption

16. Mr. White announced the names of facilitators (appointed by Chair) for each Task Group. Each facilitator briefly discussed his particular task. A request was made for volunteers to sign up for each Task Group.

Task groups will be open for membership at any time. Participation on a Task Group does not influence frequency assignments.

(See Attachment "C" for group assignments)

17. Chairman DeGeneste and Committee Coordinator White provided their business addresses for further contacts.

A. Mr. Henry DeGeneste
Director of Public Safety
Supt of Police
The Port Authority of NY & NJ
One Path Plaza - Second Floor
Jersey City, NJ 07306
(201) 963-7117

B. Mr. Carroll White
Communications Manager
Public Safety Department
The Port Authority of NY & NJ
One World Trade Center 37N1
New York, NY 10048
(212) 432-4317

- * 18. Requests are now being accepted by the local frequency advisors in each state for consideration of frequency assignments in the 821-824/866-869 MHz spectrum. Acceptance window for this phase will be closed June 1, 1988.

19. Requests will be processed by the Regional Planning Committee. Accepted applications will become an integral part of the NYMAC Regional Plan. Applicants will then be notified to submit application to the APCO National Office in Florida, for normal processing.

20. Next meeting is scheduled for Tuesday, May 10, 1988, at Greenwich Town Hall, Greenwich CT, at 10:00 A.M.
21. Call for adjournment at 2:30 P.M. by Art Von Holtz, seconded by Joe Higgins.

Vincent R. Stile
Secretary
New York Metropolitan Area
Regional Planning Committee

VRS:mt

A T T A C H M E N T

Task Groups

T A S K G R O U P A

CARROLL WHITE - FACILITATOR

SCOPE AND AUTHORITY

Carroll F. White
Communications Mgr/Public Safety Dept.
The Port Authority of New York
and New Jersey
One World Trade Center
Room 37N1
New York, NY 10048
(212) 432-4317

T A S K G R O U P S

VINCENT R. STILE - FACILITATOR

SPECTRUM UTILIZATION

Sub-Part a) Region Defined

Sub-Part b) Usage Guidelines

Mr. Vincent R. Stile
Police Communications Systems
Director
Suffolk County Police Dept.
Command 5340
Yaphank Ave.
Yaphank, NY 11980
(516) 286-5431

Mr. William Ango
Asst. Technical Administrator
County of Nassau
Dept. of Public Works
1 West Street
Mineola, NY 11501
(516) 535-3937

Mr. John Cahill
NYS Dept. of Transportation
New York State Office Bldg.
Veterans Memorial Hwy.
Hauppauge, NY 11787
(516) 360-6702

Lt. Joseph M. Hanley
New Rochelle Police Dept.
90 Deaufort Place
New Rochelle, NY 10801
(914) 654-2252

Allan Hettrick
Suffolk County Sheriff's Dept.
OIC Communications Division
1 Center Drive
Riverhead, NY 11901
(516) 548-3288

Mr. William Lahm
Department of Public Works
Town of Oyster Bay
100 Miller Place
Syosset, NY 11791
(516) 921-7347

Mr. Irving McAndrew
MRD Program Director
New York State Division of
Criminal Justice Services
Bureau of Municipal Police
Executive Park Tower
Stuyvesant Plaza
Albany, NY 12203
(518) 457-8462

Mr. Robert Quackenbush
Spvr. of Radio Communications
New York State
Dept. of Transportation
Washington Ave., Bldg. #5
Campus Rm. #115
Albany, NY 12232
(518) 457-4783

Mr. John Valentine
Director of Public Safety
Town of Smithtown
Town Hall, PO Box 575
99 West Main St.
Smithtown, NY 11787
(516) 360-7585

T A S K G R O U P C

NORM COLTRI - FACILITATOR

SPECTRUM UTILIZATION

Sub-Part c) Reassignment of Frequencies

Sub-Part d) Supplement to Application Form

Mr. Norman Coltri
New Jersey State Police
P.O. Box 7068
West Trenton, NJ 08625
(609) 882-2000 2517

Chief William H. Frenz, PE
New York State Dept. of
Environmental Conservation
50 Wolf Road
Albany, NY 12233
(518) 457-3914

Mr. Alfred A. Assaiante
Telecommunications System Anal. I
ST of NJ GSA Hi-Tech Unit
CN-230
135 W. Hanover St.
Mercer, NJ 08625
(609) 292-9885

Mr. David Geller
Staff Services Engineer
Port Authority of NY & NJ
241 Erie St., Room 300
Engineering Dept.
Jersey City, NJ 07302
(201) 963-2145

Chief Thomas P. Dugan
Director of Public Safety
Dept. of Public Safety
Glen Ridge, NJ 07028
(201) 748-5400

Sgt. William Heinzelman Jr.
City of Orange Police Dept.
593 Lincoln Ave.
Orange, NJ 07050
(201) 266-4118

Lt. Anthony Edwards
Director of Communications
Putnam County Sheriff's Office
3 County Center
Carmel, NY 10512
(914) 225-4300

Mr. Robert G. Quackenbush
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New York State
Dept. of Transportation
Washington Ave., Bldg. #5
Campus Rd. #115
Albany, NY 12232
(518) 457-4783

Mr. Paul Einreinhofer
Communications Officer
Bergen County Dept. of
Public Safety
66 Zabriskie St.
Hackensack, NJ 07601
(201) 646-2719

Mr. Anthony Sambuca
Supvrs. of Radio Communication
NYS Dept. of Transportation
State Campus
Bldg. 5, Room 114
1220 Washington Ave.
Albany, NY 12232
(518) 457-2123

Mr. Thomas W. Emmons
Chief of Communications
Monmouth County Police Radio
P.O. Box 1255
Kozloski Rd.
Monmouth, NJ 07728
(201) 431-7915

Mr. Robert F. Schlieman
State Campus Public Security
New York State Police
Building #22
Albany, NY 12226
(518) 457-9466

T A S K G R O U P D

ART VON HOLTZ - FACILITATOR

COMMUNICATIONS REQUIREMENTS

- Sub-Part a) Common Channel Implementation
- Sub-Part b) Areas of Operation
- Sub-Part c) Operation on the Common Channels
- Sub-Part d) Sub-Regions

Sgt. Arthur VonHoltz
Connecticut State Police
Technical Support
Building #5
294 Colony Street
Meriden, CT 06450
(203) 238-6573

Mr. Joseph A. Higgins Jr.
Emergency Management Coord.
Office of Emergency Management
Woodcliff Lake
10 Pond Rd.
Woodcliff Lake, NJ 07675
(201) 391-1091

Mr. Philip Gibson
Disaster Communications Assoc.
American Red Cross
18th East Street N.W.
Washington, DC 20006

Mr. Irving McAndrew
MRD Program Director
NYS Div. of Crim. Justice Svcs
Bureau of Municipal Police
Executive Park Tower
Stuyvesant Plaza
Albany, NY 12203
(518) 457-8462

Sgt. William Heinzelman Jr.
City of Orange Police Dept.
593 Lincoln Ave.
Orange, NJ 07050
(201) 266-4118

Mr. Peter Meade
Fire & Rescue Coordinator
Nassau County Fire Commission
140 15th Street
Mineola, NY 11501
(516) 294-3570

Lt. Ralph A. Hemenway
Chief Telcom Mgt. Branch
U.S. Coast Guard
Commander (DTM)
First Coast Guard District
408 Atlantic Ave.
Boston, MA 02110
(617) 223-8400

Mr. Robert Quackenbush
Supvsr. of Radio Communication
New York State
Dept. of Transportation
Washington Ave., Bldg. #5
Campus Rm. #115
Albany, NY 12232
(518) 457-4783

T A S K G R O U P E

JAMES BAYER - FACILITATOR

COMMUNICATIONS REQUIREMENTS

- Sub-Part e) Operating Procedures
- Sub-Part f) Primary Network Control Center
- Sub-Part g) Network Operating Method

Mr. James R. Bayer
Dept. of Transportation
State of Connecticut
Radio Unit
280 West Street
Rocky Hill, CT 06067
(203) 258-0376

Sgt. Michael DeMeo
Town of Ramapo
237 Route 59
Suffern, NY 10901
(914) 357-2400

Mr. John M. Ashe
Manager of Program Development
Transcom
25 Journal Square
Jersey City, NJ 07306
(201) 963-4033

Mr. Joseph A. Higgins Jr.
Emergency Management
Coordinator
Emergency Management
Woodcliff Lake
10 Pond Rd.
Woodcliff Lake, NJ 07675
(201) 391-1091

T/Sgt. Joseph Barosa
Communications Supervisor
New York State Police
Troop "L"
Route 109 and 110
Republic Airport
E. Farmingdale, NY 11735
(516) 756-1170

Anthony Sambuca
Supervisor of Radio
Communications
New York State Dept.
of Transportation
State Campus
Bldg. 5, Room 114
1220 Washington Ave.
Albany, NY 12232
(518) 457-2123

Mr. MacNeil Cross
Deputy Chief of Communications
NYS-HHC Emergency Medical Services
55-30 58th Street
Maspeth, NJ 11378
(718) 326-0600 308

T A S K G R O U P F

ROBERT SCHLIEMAN - FACILITATOR

COMMUNICATIONS REQUIREMENTS

- Sub-Part h) Encryption Standards
- Sub-Part i) Use of Long Range Communications
- Sub-Part j) Use of Cellular Telephones

Mr. Robert F. Schlieman
State Campus Public Security
New York State Police
Building #22
Albany, NY 12226
(518) 457-9466

Mr. Thomas W. Emmons
Chief of Communications
Monmouth County Police Radio
P.O. Box 1255
Kozloski Rd.
Monmouth, NJ 07728
(201) 431-7915

John C. Keitel
Communications Officer
Office of Emergency Management
New Jersey State Police
P.O. Box 7068
Mercer, NJ 08628
(609) 530-4823

Mr. Irving McAndrew
MRD Program Director
NYS Div. of Crim. Justice Svc.
Bureau of Municipal Police
Executive Park Tower
Stuyvesant Plaza
Albany, NY 12203
(518) 457-8462

Mr. Anthony Sambuca
Supvsr. of Radio Communication
NYS Dept. of Transportation
State Campus
Bldg. #5, Room 114
1220 Washington Ave.
Albany, NY 12232
(518) 457-2123

T A S K G R O U P G

GEORGE POHORILAK - FACILITATOR

IMPLEMENTATION AND PROCEDURES

Sub-Part a) Notification

Sub-Part b) Approval of Regional Plan

Mr. George Pohorilak
Bureau of Statewide Emergency
Telecommunications
20 Grand Street
Hartford, CT 06106
(203) 566-3243

Mr. John Cahill
New York State
Dept. of Transportation
New York State Office Building
Veterans Memorial Highway
Hauppauge, NY 11787
(516) 360-6702

T A S K G R O U P H

GEORGE POHORILAK - FACILITATOR

IMPLEMENTATION AND PROCEDURES

Sub-Part c) Frequency Allocation Process

Sub-Part d) Appeal Process

Mr. George Pohorilak
Bureau of Statewide Emergency
Telecommunications
20 Grand Street
Hartford, CT 06106

(203) 566-3243

FAX (203) 566-3570 → Call Center

Mr. John Cahill
New York State
Dept. of Transportation
New York State Office Building
Veterans Memorial Highway
Hauppauge, NY 11787
(516) 360-6702

Mr. Irving McAndrew
MRD Program Director
NYS Div. of Criminal Justice Svc.
Bureau of Municipal Police
Executive Park Tower
Stuyvesant Plaza
Albany, NY 12203
(518) 457-8462

Mr. Robert G. Quackenbush
Supvsr. of Radio Communication
New York State
Dept. of Transportation
Washington Ave., Bldg. #5
Campus Rm. #115
Albany, NY 12232
(518) 457-4783

Mr. Anthony Sambuca
Supvsr. of Radio Communication
New York State
Dept. of Transportation
State Campus
Bldg. #5, Room #114
1220 Washington Ave.
Albany, NY 12232
(518) 457-2123

Mr. Bernard Smith
Director of Telecommunications
Dept. of General Services
Municipal Building
Suite 2140
New York, NY 10007
(212) 669-8404

T A S K G R O U P H(A)

EMIL VOGEL - FACILITATOR

FREQUENCY ALLOCATION PROCESS
Sub-Part c) Spectrum Spread

Mr. Emil Vogel
Manager, Spectrum Resources
Government Markets Division
Motorola C & E Inc.
85 Harristown Road
Glen Rock, NJ 07452
(201) 447-4000

Mr. Tom Gilbert
Project Manager
Technion/Stamford
P.O. Box 582
Ridgewood, NJ 07451
(201) 478-6453

Mr. Robert F. Schlieman
State Campus Public Security
New York State Police
Building #22
Albany, NY 12226
(518/) 457-9466

T A S K G R O U P I

JOSEPH SAIIA - FACILITATOR

EPILOGUE

Sub-Part a) Future Planning Requirements

FAX Mr. Joseph C. Saiia
New Jersey State Police
P.O. Box 7068
West Trenton, NJ 08628
(609) 882-2000 Ext. 2383
(609) 882-1463
Mr. Ronald F. Cunningham
Consulting Technology Planner
Port Authority of NY & NJ
One World Trade Center (71W)
New York, NY 10048
(212) 466-7937

Lt. Stanley J. Dutkus
Supvsr. Radio Maintenance Unit
New Jersey State Police
Box 7068
West Trenton, NJ 08625
(609) 882-2000

Mr. Paul A. Einreinhofer
Communications Officer
Bergen County
Dept. of Public Safety
66 Zabriskie St.
Hackensack, NJ 07601
(201) 646-2719

Mr. Brian Hughes
District Sales Manager
Motorola Inc.
85 Harristown Rd.
Glen Rock, NJ 07452
(201) 447-4000

Mr. John C. Keitel
Communications Officer
Office of Emergency Management
New Jersey State Police
P.O. Box 7068
Mercer, NJ 08628
(609) 530-4823

Mr. Irving McAndrew
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NYS Div. of Crim. Justice Svc
Bureau of Municipal Police
Executive Park Tower
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Albany, NY 12203
(518) 457-8462

Mr. Gustave Pappas
Chief of Communications
NYC Division of EMS
55-30 58th St.
Maspeth, NY 11378
(718) 326-0600 Ext. 308

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NEW YORK
METROPOLITAN AREA
REGIONAL PLANNING COMMITTEE
REGION 8

Meeting No. 2 - Town Hall, Greenwich, Connecticut
May 10, 1988

Attendees: Attachment "A"
Open Architecture: Attachment "B"
FDR-2 Form: Attachment "C"
(Revised)

Minutes:

- 1) Meeting began 10:00 A.M.
- 2) Motion to set aside reading of minutes of April 13, 1988, and to accept them was proposed by Mr. Robert Schlieman and seconded by Mr. William Lahm. Motion was voted and approved.
- 3) Chairman Henry DeGeneste reported that he sent a letter to First Selectman John B. Margenot Jr. thanking him for use of meeting room at the Greenwich Town Hall.
- 4) Mr. Richard Barlette, Chief of the Hazardous Materials Bureau, New York State Office of Fire Prevention and Control, sent a mailing list of 463 fire chiefs to Chairman DeGeneste. The list included chiefs throughout the New York Regional Area. Also, Mr. Alan Crotty of the Dutchess County Fire Bureau sent a list of possible interested parties in regional planning proceedings.
- 5) Chairman DeGeneste sent a letter to the Suffolk County Police Department in recognition of Mr. Stile's active participation as secretary of the Regional Planning Committee.
- 6) Sub-Committee Reports
 - A) Credentials

Sub-Committee Chairman Arthur Von Holtz reports his committee reviewed and discussed the following:

 - Each agency will have one vote in the proceedings of Regional Planning Committee.

- Credentials Committee will maintain a list of agencies represented on the Regional Planning Committee.
- Sub-divisions of a multiple agency membership will each have a vote in all Regional Planning Committee activities.
- Mail-in vote will be accepted from agency representative authorized to sign FCC license applications or the highest entity of a member agency.

B) Rules

Sub-Committee Chairman William Lahm submitted the following from the rules committee:

- An official sign-in attendance sheet must be used at each meeting which indicates the name of the individuals in attendance and the public safety agencies which they represent.
- In voting on any issue the individual must identify himself/herself and the agency which he or she represents. This will be checked against the sign in sheet to assure that each agency gets only one vote.
- All procedures at the meeting will be based on Roberts Rules of Order.
- Facilitators will supply to the Chairman or his designee after each meeting of their groups a list of the proposed changes from the ad hoc plan. Should the facilitator receive much of his input via mail and not schedule formal meetings he will supply the Chairman input data no less than once every six weeks.
- At each meeting of the Regional Planning Committee the Chairman or his designee will determine the priority of the subjects that are to be covered at the beginning of each meeting and his decision will be final. Should there not be enough time to cover all subjects those with the lowest priority will be rescheduled to a future meeting.

C) Arrangements

Sub-Committee Chairman George Pohorilak reports arrangements have not encountered any unusual developments.

D) FCC/APCO Liaison

Sub-Committee Chairman James Blessor reported that a meeting will be held with the FCC staff on Wednesday, May 11, 1988, in Washington, D.C. Report to follow at the next Regional meeting.

E) Regional Interface

Sub-Committee Chairman Vincent Stile has no new information on adjacent Regional activity. Region 19, in New England area, will have their first official meeting on Wednesday, May 18, 1988, in Worcester, Massachusetts.

F) State Liaison

Sub-Committee Chairman Norman Coltri states that there is no new activity to report.

Frequency Advisors have reviewed new spectrum applications they have received. Some applications have been returned to applicant for required supplemental information.

A special frequency data research form (FDR-2 for 800 MHZ channels under Docket 87-112) is being used by the New York Metropolitan Regional Planning Committee for the processing of new spectrum requests. This was discussed during the first official meeting and distributed at that time and a copy was also included in the mailing of minutes.

Supplemental information requested as stated on the rear of the FDR-2 form is as follows:

- 1) A detailed engineering report, including a predicted coverage survey using actual requested technical parameters. This report must indicate the applicant's routine area of transit, the radio area of coverage predicted, and steps that have been taken to restrict coverage to that actually required. It is expected that detailed topographic maps will be provided showing these areas.
- 2) Explain how your agency's need for interoperation with the other public safety agencies in lower bands will be accomplished. This pertains to interoperation of entities during public safety emergencies as required by the FCC in Docket 87-112.

- 3) Explain in detail how in a regional or national emergency your agency will interface into Emergency Management radio systems such as RACES, FEMA, and to the State Emergency Operating Center. How will a notice of such emergency be received by your agency?
- 4) Explain the steps that will be taken to implement operation on the five national common channels. These channels, used for interagency communication during emergencies and disasters, are required by all public safety licenses.
- 5) Explain in detail the need for use by your agency of a radio system at 800 MHz. Explain deficiencies with existing system and how they will be rectified by a new radio system. Explain why your needs cannot be served by SMR's, cellular mobile telephone, or other existing networks.
- 6) Supply detailed information showing a budget commitment for the installation of a new radio system within 3 years of a license grant. Since radio channels are in limited supply, these new frequencies cannot be allocated on speculation. A reasonable expectation of implementation is required.
- 7) Supply details of all existing radio channels licensed to your agency. Indicate which channels will be relinquished if this request is granted. Fully justify the retention of any frequencies licensed. Retained frequencies, not fully justified, will be evaluated against an applicant in the matrix.
- 8) A motion was made by Mr. Bob Schlieman to extend the date for application submittal to Regional Planning Committee; seconded by Mr. Gus Pappas. Discussion from the floor followed. Membership voted to extend last filing date of this first pass to Friday, July 1, 1988.
- 9) Discussion ensued concerning notification of regional planning process throughout the New York Metropolitan Area (Region 8). It was explained that as much advertisement as is realistically possible was done. The list of notifications was submitted to the membership at the first meeting and included in the mailing of the minutes. Further dissemination of info about the proceedings would surely reach other public safety communicators from the existing membership.
- 10) Discussion from the floor followed concerning determination of "area of coverage" needed for the

FDR-2 application. Committee members needing technical assistance help to comply with this requirement were advised to discuss this matter with their vendor.

11) Facilitators Reports

- A) Task Group A - Carroll White discussed the need for a regional plan revisions committee to follow the existing Regional Planning Committee. The revisions committee will need to look at additions or deletions to the approved Regional Plan.
- B) Task Group B - Vincent Stile reported no further changes to that portion of draft Regional Plan pertaining to spectrum utilization where the regions have been redefined.
- C) Task Group C - Norman Coltri discussed application process and a revision on the application form. The group added an item seven to the forms questions which pertained to give back frequencies.
- D) Task Group D - Arthur Von Holtz reported no problems with the communications requirements of draft plan pertaining to common channels, area of operation, and sub-regions.
- E) Task Group E - James Bayer stated that his group is still reporting back to him. There are no comments at this time, however, he expects input from the group shortly.
- F) Task Group F - Robert Schlieman reported that he was expecting formal comments from major vendors on encryption requirements for common channels. There remains a question as to whether to include encryption on these channels.
- G) Task Group G - George Pohorilak reported that there were no changes recommended pertaining to implementation and procedures relative to notification and approval process.
- H) Task Group H - George Pohorilak reported that the evaluation matrix needs a warning time statement regarding lack of system implementation. George recommends additional clarification of text could be added as footnotes to flow chart.
- I) Task Group H(A) - Emil Vogel reports that the program to overlay frequencies in a region as developed by the Motorola Corporation has been

given to the APCO Frequency Coordination Department. The computer company, CET, doing the frequency coordination programming for APCO is adapting the Motorola overlay program to meet the needs for frequency coordination. The new adaptation should be available in June of this year.

J) Task Group I - Joseph Sallia reports of no additions to the Plan's epilogue at this time. Future discussions on trunked radio systems open architecture is expected.

12) Mr. Robert Fleissner, Senior Staff Systems Engineer for Motorola, discussed the channel allocation program as developed by Motorola. The computer model, as explained by Mr. Fleissner, projects an insufficiency of frequencies for the New York Metropolitan Region.

13) Mr. James Blesso expressed concerns of having two or more programs to work the allocation process. He could see interface problems between two neighboring regions using different allocation programs. There was a general discussion as to the resolution of such problems.

Mr. Emil Vogel states that Motorola will discontinue further development of their program as the CET program becomes ready. At this time, concurrent runs of both programs could be made for evaluation purposes.

14) New Business

A) An additional sub-committee was formed to incorporate all approved revisions in the draft Regional Plan. Mr. Carroll White and Mrs. Mary Tornetta volunteered to serve on that sub-committee.

B) The Executive Committee, consisting of all Task Group Facilitators, will act as a working committee to develop a channel allocation scheme and present it to the full Regional Committee for appropriate action.

C) A motion was made to have Executive Committee review all dockets relative to the concerns of the new 800 MHz spectrum allocation and Regional Planning Committees. This motion was deferred to a chair assignment. The chairman assigned the Executive Committee to continually watch for changes and/or issuance of new pertinent dockets.

- D) Petitions from vendors have been made to the FCC concerning open architecture of trunked radio systems. (See addendum).
- 15) Call for adjournment by Bob Schlieman, seconded by Art Von Holtz.
- 16) A meeting of all Committee Facilitators will be held on June 15, 1988, at the World Trade Center at 10:00 A.M. Facilitators will review applications for frequencies received to date. Further information as to location will be furnished in a mailing from Carroll White's office.
- 17) Next meeting of the Regional Planning Committee (Region 8) is scheduled for Tuesday, July 19, 1988, at Greenwich Town Hall, Greenwich, Connecticut, at 10:00 A.M.

Vincent R. Stile
Secretary
New York Metropolitan Area
Regional Planning Committee

VRS:amm

NEW YORK
METROPOLITAN AREA
REGIONAL PLANNING COMMITTEE
REGION 8

Meeting No. 3 - Town Hall, Greenwich, Connecticut
July 19, 1988

Attendees: Attachment "A"
Secretary's Note: Attachment "B"
Region 28 Draft: Attachment "C"
Survey: Attachment "D"

Minutes:

1. Meeting began 10:00 A.M.
2. Motion to accept minutes of May 10, was made by Mr. Robert Schlieman and seconded by Mr. William Lahm. Motion unanimously approved. There was no discussion and no request to read the minutes.
3. Chairman's Report

Due to conflicting administrative demands, Mr. Henry DeGeneste was unable to attend this meeting. He appointed the Committee Coordinator, Mr. Carroll White, to preside as Chairman for this session.

Mr. White discussed his meeting with Private Radio Bureau (PRB) Chief, Mr. Ralph Haller, held earlier this month. Concerning Docket 87-112, Chief Haller indicated that answers to petitions for reconsideration, regarding the issues below *, should be submitted by August 8, 1988, prior to the Associated Public-Safety Communications Officers (APCO) National Conference (see Secretary's note, Attachment "B").

- * 800 MHz Trunking Standards
- * Clearer policy for giveback frequencies.
- * Matters concerning old spectrum allocation.
grandfathered into usage with new 800 spectrum.

Chief Haller was asked his opinion regarding the New York Metropolitan Region and the probability that the new 800 spectrum allocation would not satisfy the needs of the area. He supported the following:

Before the regional planners begin prioritizing applications, they must attempt to combine systems and pool resources to use less frequencies, and if possible, also utilize trunking technology.

After exhausting the combining approach, regional planners then have the authority to prioritize.

Chief Haller also thought that the New York Region would be the first to submit a Regional Plan and he would try to keep the pressure on to expedite the process in order to have frequencies released before the end of the year.

Chief Haller believes that, generally, the FCC's policy regarding standards is that it should be set in the marketplace.

4. Secretary's Report

Sgt. Arthur Von Holtz has retired from the Connecticut State Police and has therefore vacated his position on this Regional Planning Committee. Arthur has recommended George Davis of the Connecticut State Police as his replacement. Mr. Davis is known by many members of this committee from his years of experience in public safety communications. Jim Bayer will assume Arthur's responsibilities as Chairman of the Credentials Sub-Committee.

There will be a meeting on the National Plan on Friday, August 12th, following the APCO National Conference in Little Rock, Arkansas. One topic of discussion will be the selection of the National Plan Steering Committee. Henry DeGeneste or Carroll White are probable candidates from this region.

As Secretary of the Region 8 committee and Chairman of the APCO Atlantic Chapter Convenors, it was my pleasure to attend the first official meeting of the New England, Region 19, Regional Planning Committee on May 18, 1988. Mr. Donald C. Nagle, Jr. of the Boston Metropolitan Police, was elected Chairman of that committee.

5. Sub-Committee Reports

A) Credentials

Sub-Committee Chairman, Arthur Von Holtz submitted a written report to the Chair which included a requirement of full committee participation in order to be eligible to act upon proposals.

Credentials recognizes two classifications of membership, federal and non-federal.

Motion:

Membership of the New York Metropolitan Area Regional Planning Committee (Region 8) will be comprised of both federal and non-federal agencies, but only non-federal agencies will have voting power. Motion passed.

Motion:

Credentials Committee shall establish a procedure to identify eligible agencies (per Part 90, Subpart B and Subpart C of FCC Rules) at the beginning of each Regional Meeting in order to establish a list of voting eligibles for each meeting. Motion passed.

B) Rules

Sub-Committee Chairman William Lahm had no additions to the recommendations submitted at the May 10, 1988 meeting.

The following is a recap:

- An official sign-in attendance sheet must be used at each meeting which indicates the name of the individuals in attendance and the public safety agencies which they represent.
- In voting on any issue the individual must identify himself/herself and the agency which he or she represents. This will be checked against the sign in sheet to assure that each agency gets only one vote.
- All procedures at the meeting will be based on Roberts Rules of Order.
- Facilitators will supply to the Chairman or his designee after each meeting of their groups a list of the proposed changes from the ad hoc plan. Should the facilitator receive much of his input via mail and not schedule formal meetings he will supply the Chairman input data no less than once every six weeks.
- At each meeting of the Regional Planning Committee the Chairman or his designee will determine the priority of the subjects that are to be covered at the beginning of each meeting and his decision will be final. Should there not be enough time to cover all subjects those with the lowest priority will be rescheduled to a future meeting.

C) Arrangements

Sub-Committee Chairman George Pohorilak reports no unusual problems regarding arrangements.

Secretary's Note: Four hour parking meters are now available at the rear of the parking area next to Town Hall.

D) FCC/Liaison

Sub-Committee Chairman James Blesso had no additional information regarding meeting in Washington reported above by Coordinator Carroll White.

E) Regional Interface

Sub-Committee Chairman Vincent Stile reports that Region 19 (The New England Regional Planning Committee) had their first meeting on May 18, 1988, and elected Mr. Donald Nagle Chairman of that Region. They have held subsequent meetings in June and July, moving forward in their regional planning effort. Their next meeting will be September 14, 1988, in Worcester, MA.

Delaware Region (Region 28) met in July 1988. Region 30 in Albany and 55 in Buffalo have not yet had an initial regional meeting. They have run into the difficulty of summer schedules, but expect to get on target in early fall.

F) State Liaison

Sub-Committee Chairman Norman Coltri had no new activity to report.

6. Facilitators' Reports

A) Task Group A - Facilitator Carroll White submitted revisions to the Regional Plan. Pages to be changed are 5 and 6, dated "draft 7/14/88". Revisions dealt with "Regional Plan Update Committee".

Motion to accept all revisions was unanimously agreed to by all present.

B) Task Group B - Vincent Stile reports no further changes.

C) Task Group C - Norman Coltri reports no further changes.

D) Task Group D - George Davis (new Task Group Facilitator replacing Arthur Von Holtz) reports no further changes.

E) Task Group E - James Bayer reports no further changes.

F) Task Group F - Robert Schlieman submitted a written report. Further input from this committee is expected.

Relative to digitally capable common channel repeaters, Mr. Schlieman reports that discussion with three manufacturers of public safety trunk systems indicates that it may be significantly difficult for some manufacturers to pass the digital encryption modulated signals of another manufacturer. This is due to receiver bandwidth limitations and particularly concerns the IF filters and resulting overall receiver performance degradation.

Mr. Schlieman further states that in terms of universal interoperability, incorporating a particular manufacturer's encryption capability into the plan would produce an anti-competitive environment. This is not in the best interests of most public agencies. Consequently, Mr. Schlieman's inclination is to exclude digital capability from the requirements for the common channel repeaters operating on the national interoperability channels.

G) Task Group G - George Pohorilak reports no further changes.

H) Task Group H - George Pohorilak reports changes in the appeal process on pages 31 and 32. Motion to accept changes was discussed. The start date of the implementation schedule was changed from two to three years. This revised motion was carried unanimously by all present. The two new pages were dated "Draft 6/7/88 and 6/8/88".

I) Task Group H(A) - Emil Vogel reports that the computer sort of the requests received by the Frequency Advisors in the three states did, as anticipated, come up short of spectrum. Due to some wide area coverage needs, reuse of offsets became difficult and the 182 channels requested required approximately 272 channels to work. The sort looked at spacing between frequencies, adjacent and co-channel non-interference.

Facilitators and Frequency Advisors must now consider this first sort and make recommendations first for further combining of systems and then to start prioritization.

Facilitators and Frequency Advisors are to meet on August 3rd in Greenwich, CT, to discuss applications more closely.

J) Task Group I - Joseph Saia reports no change in epilogue.

7. The 54th Annual National Conference of the Associated Public Safety Communications Officers, Inc. (APCO) will be held in Little Rock, Arkansas, from August 8-12, 1988. Items on agenda will include 800 MHz trunked systems, public safety trunking standards, an overview of simulcast, 800 MHz antennas and 800 MHz trunked systems users panel.

Coordinator Carroll White will make a symbolic presentation of the New York Metropolitan Area Committee (NYMAC) Regional Plan to the FCC at the conference.

On Friday, August 12, there will be an all day session concerning National Public Safety Planning at the Hotel Excelsior in Little Rock. Activity report will be given at the next Regional Meeting of Region 8.

8. The Chair has expressed a desire that September 1 a target date for the New York Metropolitan Regional Plan to be officially submitted to the FCC.

9. Common Channel Usage

The Greater Delaware Valley Planning Group has taken a different approach to the development of common channel usage. (Copy of Region 28's communications requirements will be found in Attachment "C").

The New York Plan calls for one centrally located calling channel. Delaware proposes that each agency have the calling channel. In the New York Plan, the tactical channels are to be reused in more than one area. Delaware assigns the tactical channels to specific locations and identifies the frequency for each location.

10. Service Provided Questionnaire Survey

It is requested that the questionnaire, regarding service provided rating, be completed and returned to Mr. Norman Coltri. This survey will assist in the development of a point assignment for service categories listed. Questionnaires were distributed at this meeting and also sent out by mail to all who participated at earlier meetings of this Regional Planning Committee. A single response from each agency

represented is expected. (Copy of questionnaire in Attachment "D").

11. Motion by Mr. Tom Emmons to have "Emergency Management" inserted under Local Government category on the survey. Motion unanimously accepted and passed by all present.
12. Motion to have survey results discussed and voted upon after returns are tabulated by Mr. Coltri. Motion unanimously passed by all present.
13. Chairman to send letter to FCC concerning how much assistance the Regional Planning Committees can expect in the take back of frequencies from agencies being allocated 800 frequencies for large area usage.
14. New Business

A) At the May 10, 1988 Regional Meeting, it was voted to extend the cut-off date for filing applications to July 1, 1988, a month later than the original date. The City of Newark, NJ submitted their application after the cut-off date and the committee was asked to consider their request.

After some discussion, it was unanimously decided not to accept Newark's application in this frequency sort. If there should be a second sort the request would be considered then.

A motion was made by Mr. Peter Meade, Chief of Nassau County Fire Commission, to accept only those applications received by the July 1st cut-off date. Motion was seconded by Mr. Joseph Cirone and unanimously agreed to by all in attendance.

B) Mr. William Lahm was asked by the Chair to serve as Parliamentarian in Arthur Von Holtz's place. Mr. Lahm agreed.

15. Next meeting is scheduled for Wednesday, August 17, 1988, at Greenwich Town Hall, Greenwich, Connecticut, at 10:00 A.M.
16. Motion to adjourn was made by Mr. Paul Einreinhofer of the Bergen County Department of Public Safety and seconded by Mr. Jim Bayer. Meeting ended at approximately 1 P.M.

Vincent R. Stile
Secretary
New York Metropolitan
Area Committee

TRI-STATE RADIO PLANNING COMMITTEE
(FCC - REGION 8)

Meeting No. 4 - Town Hall, Greenwich, Connecticut
August 17, 1988

Attendees	Attachment "A"
Letter to Newark	Attachment "B"
National Planning Notes	Attachment "C"
Credentials Report	Attachment "D"

Minutes

1. Meeting began at 10:05 A.M.
2. Committee Chairman, Mr. Henry DeGeneste, proposed changing this Planning Committee's name to more fittingly express the committee's purpose. He recommended the name "Tri-State Radio Planning Committee - Region 8". A logo depicting a map of the three states New York, New Jersey and Connecticut would be included on the Committee letterhead.

Mr. Jim Blesso introduced a motion to accept this new name. It was seconded by Mr. Tony Edwards and unanimously approved.

3. A letter of explanation will be sent by the Chair to the City of Newark referencing this Committee's rejection of Newark's application for spectrum. (Attachment "B").
4. Mr. DeGeneste related that he had requested an affidavit from the New Jersey Transit Authority attesting that they had in fact submitted their systems applications within the time frame allotted. Since no affidavit was received as of this meeting, the Chair moved to close the issue. Mr. DeGeneste will send a follow up letter to the New Jersey Transit Authority.
5. Committee Secretary had no report at this time other than to relate that there was a National Regional Planning Meeting in Little Rock, Arkansas during APCO's National Conference. (Attachment "C" - brief meeting notes).
6. Committee Coordinator, Mr. Carroll White, led discussion on the following:
 - The Credentials Sub-Committee submitted their final report. After some discussion and changes, a motion was made by Lt. Dick Martino to accept the final version of the Credentials Committee Report. Mr. Peter

Meade seconded the motion. Motion was unanimously carried. (Attachment "D" - Credentials Report).

- During the APCO National Conference in Little Rock, a symbolic submittal of Regional Plans was presented to Mr. Ralph Haller, Chief of Private Radio Bureau. The three Regions which submitted plans were South Florida, Texas and Tri-State. Mr. Haller was impanelled, along with other FCC members, for a Washington Regulatory Panel discussion on issues concerning Public Safety Communications.

- Applications for spectrum had been reviewed and frequency assignments were made in accordance with the criteria established by this Committee and incorporated in the Tri-State Plan.

Mr. Norman Coltri made a motion to accept the assignments for Regional Planning purposes to allow the Tri-State Regional Plan to be submitted to the FCC. Motion was seconded by Mr. Jim Blesso and unanimously approved by the full Committee.

This is an abbreviated version of the minutes of the August 17 Meeting prepared so that pertinent information could be included in the Regional Plan.

Vincent R. Stile
Secretary
Tri-State Radio
Planning Committee

8/17/88

NEW YORK METROPOLITAN AREA
REGIONAL PLANNING COMMITTEE
REGION 8

At the July 19, 1988 meeting of the New York Metropolitan Area Regional Planning Committee the Credentials Committee was requested to present a procedure for identifying eligible entities and a procedure for the creation of a listing of those persons who have been credentialed.

In accordance with that charge the Credentials Committee submits the following for consideration by the Committee.

ELIGIBLE AGENCY

Any entity, agency or sub-agency which is eligible to be licensed under Subparts B or C of Part 90 of the FCC Rules and Regulations, Federal Agencies and other interested parties are eligible for membership on the New York Metropolitan Area Regional Planning Committee. Each agency or sub-agency of a governmental entity which is entitled to hold a license in one or more of the Radio Services listed under Subparts B or C of Part 90 shall be considered to be a separate entity up to a maximum of one agency or sub-agency for each Radio Service listed under those subparts. For example a city could have separate entities for Local Government, Police, Fire, Highway Maintenance, Forestry Conservation and Special Emergency.

PARTICIPATING AGENCY

Any ELIGIBLE AGENCY who has had a representative attend at least one previous meeting of the Region 8 Regional Planning Committee shall be a Participating Agency.

AGENCY REPRESENTATIVE

Agency Representative is a person who is employed by a PARTICIPATING AGENCY, or in the case of a PARTICIPATING AGENCY which is comprised solely of volunteers, any person who is a member in good standing of that agency. A person may represent only one PARTICIPATING AGENCY at a Regional Planning Committee Meeting.

VOTING

Except for Federal Agencies and some Commercial Entities each PARTICIPATING AGENCY who has an AGENCY REPRESENTATIVE in attendance at the Regional Meeting shall be allowed one vote on any matter brought before the Committee for a vote. If there is

8/17/88

more than one AGENCY REPRESENTATIVE from a PARTICIPATING AGENCY present at the meeting, they must decide among themselves on how their agency vote is to be cast. Federal Agencies and Commercial Entities not eligible to be licensed under Subparts B or C of Part 90 of the Commission's Rules shall not be entitled to vote.

LISTING OF PERSONS AND AGENCIES WHO HAVE BEEN CREDENTIALLED

That the Secretary of the New York Metropolitan Area Regional Planning Committee shall REQUIRE as part of the "sign-in" procedure for any Regional Meeting the Name of the individual and the Name of the Agency (including any sub-agency, such as the Police Department) that the individual is representing. The Secretary shall keep a separate listing by PARTICIPATING AGENCY of all individuals who have been credentialed for that Agency.

CHALLENGES TO CREDENTIALS

If the credentials of any individual or agency are challenged by a member of the Regional Committee the matter shall be referred to the members of the Credentials Committee who are present at the meeting. The Credentials Committee shall make a recommendation to the Chairman of the Regional Committee as to the proper agency representative and that the matter be brought before the entire Regional Planning Committee for resolution.

TRI-STATE RADIO PLANNING COMMITTEE
(FCC - REGION 8)

PARTICIPATING AGENCIES

1.	American Red Cross	
2.	Bergen County Police Department	NJ
3.	Bergen County Department of Public Safety	NJ
4.	CT State Bur. of Statewide Emerg. Telecomm.	CT
5.	CT State, Dept. of Public Safety Div. of State Police	CT
6.	CT State Department of Transportation	CT
7.	City of New Haven Police Department	CT
8.	City of New Haven (Fire-911	CT
9.	City of Orange	NJ
10.	City of Shelton (Aldermen attended)	CT
11.	City of Shelton Police Department	CT
12.	Dutchess County Fire Bureau	NY
13.	Essex County Department of Public Works	NJ
14.	Fairview Fire Department	NY
15.	Greenwich Fire Department	CT
16.	Greenwich Police Department	CT
17.	Hempstead Police Department	NY
18.	Irvington Police Department	NJ
19.	Monmouth County Police	NJ
20.	Nassau County Department of Public Works	NY
21.	Nassau County Fire Commission	NY
22.	Nassau County Civil Defense	NY
23.	Nassau County Police Department	NY
24.	New Jersey Search & Rescue	NJ
25.	New Jersey State, General Services	NJ
26.	New Jersey State Police	NJ
27.	New Jersey Transit Bus Operations	NJ
28.	New Rochelle Police Department	NY
29.	New York City Division of Emergency Medical Services	NY
30.	New York City Department of General Services	NY
31.	New York City Police Department	NY
32.	New York State Department of Transportation	NY
33.	New York State Department of Fire Prevention	NY
34.	New York State Department of Environmental Conservation	NY
35.	New York State Office of Emergency Management	NY
36.	New York State Department of State, Hazardous Mat. Office	NY
37.	New York State Division of Criminal Justice Services	NY
38.	New York State Police	NY
39.	Norwalk Police Department	CT
40.	Orange County Sheriff's Department	NY
41.	Parsippany Police Department	NJ
42.	Port Authority of New York and New Jersey	NY
43.	Putnam County Sheriff's Office	NY
44.	Stamford Fire Department	CT
45.	Stamford Police Department	CT
46.	Stratford Police Department	CT
47.	Suffolk County Sheriff's Department	NY
48.	Suffolk County Fire, Rescue & Emergency Services	NY

49. Suffolk County Police Department	NY
50. Torrington Police Department	CT
51. Town of Babylon Public Safety Division	NY
52. Town of Brookhaven	NY
53. Town of East Hampton Police Department	NY
54. Town of Hempstead Department of General Services	NY
55. Town of Hempstead Traffic Control	NY
56. Town of Oyster Bay Department of Public Works	NY
57. Town of Ramapo Police Department	NY
58. Town of Smithtown Code Enforcement	NY
59. Township of Glen Ridge	NJ
60. Trumbull Police Department	CT
61. Village of Hempstead Police Department	NY
62. Village of Scarsdale Fire	NY
63. Westchester County Police Department	NY
64. Westchester County Fire Services	NY
65. Westport Fire Department	CT
66. White Plains Fire Department	NY
67. White Plains Police Department	NY
68. Woodcliff Lake Office of Emergency Management	NJ

National Agencies

Federal Communications Commission
 United States Coast Guard
 United States Marshal's Service
 United States Navy (MARS Communications System)

Commerical Businesses

Connecticut Telecommunications Systems
 E.F. Johnson Company
 General Electric Company
 Motorola C&E Inc.
 Osborne Communications
 T-CAS Corporation
 Technion International
 Telemobile Inc.

TACTICAL CHANNEL IMPLEMENTATION

September 5, 1989

1. The lead agency in each State will be the assigning agency of tactical channels for each incident.
2. For each licensee of a five channel trunked system it will be required that a base repeater system be placed in operation, by that licensee, on a tactical channel. This channel will be assigned by the RPUC.
3. The distribution of base repeater stations assigned by the RPUC will be on a first to license first to be assigned basis, in each county. This will facilitate maximum utilization of tactical channels in each county.
4. After all four tactical channel repeaters are placed in operation in a given area further distribution of base repeater requirements will be determined by the RPUC on a case by case basis.
5. In order to allow use of all tactical channels all existing and future licenses of the 821 pool will be required to place in operation control stations on each of the four tactical channels.
6. Nothing herein shall preclude an organization which operates old 800 pool conventional or trunked systems, or a new 800 pool conventional systems from implementing a tactical channel operation providing they conform to the guidelines set forth above.

COMMON CHANNEL OPERATION AND IMPLEMENTATION RULES

1. As used in this document, AGENCY refers to an FCC Licensee.
2. Shared use of channels by multiple agencies dictate that the least amount of power and minimum coverage to achieve spectrum efficiency be the guiding principles.
3. Any entity, or joint entity, authorized under Part 90 of the FCC Rules and Regulations to operate five or more 821-824/866-869 MHz channels is required to implement National Mutual Aid (Common) Calling and Tactical Channels in accordance with the Regional Plan, i.e., Calling Channel, tone remote controlled, repeater/base station with talk-around receive and a Tactical Channel, four channel frequency selectable tone remote controlled, repeater/base station with talk-around receive.
4. In order to accomplish the proper use of the Common Tactical Channels, the entity must also implement the Calling Channel, or be joined into a monitoring method of the Calling Channel within its area, for the express purpose of 1) to respond to non-routine inquiries - as defined in paragraph 7, below, or 2) turning on its Tactical Channel upon the request of a duly authorized agent of the entity requiring its use.
5. It shall be the responsibility of every licensee of a Calling or Tactical Channel to keep its repeater function disabled at all times other than when assigned for conducting a given mission where wide-area repeater operation is necessary. The Calling Channel shall be monitored at all times by the licensee and shall be used only to handle brief, itinerant traffic and requests for use of a Tactical Channel for an authorized, appropriate mission. The use of 'talk-around' shall be preferred over repeater use where range limitations permit.
6. Unless incidental to an approved multi-agency mission, The use of any of the Common Channels, whether repeated or 'talk-around', for intra-agency communications, is prohibited. Use of any of the Common Channels, whether repeated or 'talk-around', for routine or trivial uses, even if inter-agency is also prohibited.
7. A given mission for Common Channel operation shall be defined as "use for non-routine communications by entities requiring interoperability for inter-agency activities only." Routine is defined as "a normal established method of message exchanging, i.e., frequent or regular use."
8. Where one or more agencies within, or subject to, a given governmental entity - below the state level, has an aggregate total of five or more channels of 821-823/866-869 MHz of spectrum, that entity must bear the responsibility to implement and maintain the Calling and Tactical Channels within the area of operation of those systems.

9. As established by mutual understanding between the United States and Canada, the (International), Common Channels shall be named as follows:

<u>NAME</u>	<u>MOBILE TX</u>	<u>BASE TX</u>	(156.7 Hz)
ICALL	821.0125	866.0125	
ICALL Talk-Around	866.0125	866.0125	
ITAC-1	821.5125	866.5125	
ITAC-1 Talk-Around	866.5125	866.5125	
ITAC-2	822.0125	867.0125	
ITAC-2 Talk-Around	867.0125	867.0125	
ITAC-3	822.5125	867.5125	
ITAC-3 Talk-Around	867.5125	867.5125	
ITAC-4	823.0125	868.0125	
ITAC-4 Talk-Around	868.0125	868.0125	

PRIMARY/SECONDARY TACTICAL CHANNEL ASSIGNMENTS

Connecticut

Fairfield	4-1
Hartford	4-1
Litchfield	2-3
Middlesex	1-4
New Haven	3-2
New London	2-3
Tolland	3-2
Windham	1-4

New York

Bronx	3-2
Brooklyn	2-3
Dutchess	3-2
Manhattan	4-1
Nassau	4-1
Orange	4-1
Putnam	1-4
Queens	1-4
Rockland	3-2
Staten Island	4-1
Sullivan	3-2
Suffolk	2-3
Ulster	1-4
Westchester	2-3

New Jersey

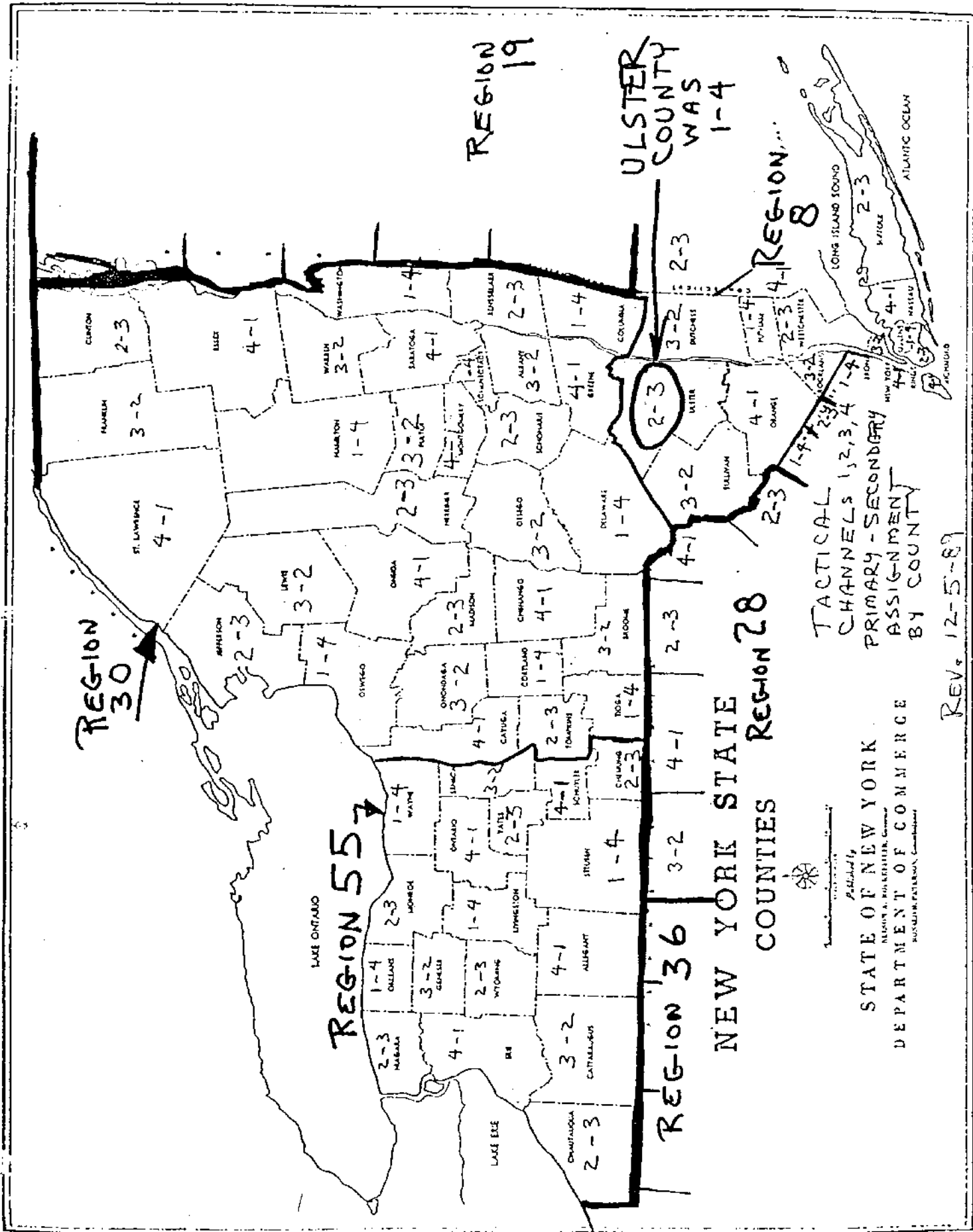
Atlantic	3-2
Bergen	1-4
Burlington	2-3
Camden	4-1
Cape May	1-4
Cumberland	4-1
Essex	4-1
Gloucester	1-4
Hudson	3-2
Hunterdon	2-3
Mercer	1-4
Middlesex	2-3
Monmouth	3-2
Morris	3-2
Ocean	4-1
Passaic	2-3
Salem	3-2
Somerset	4-1
Union	1-4

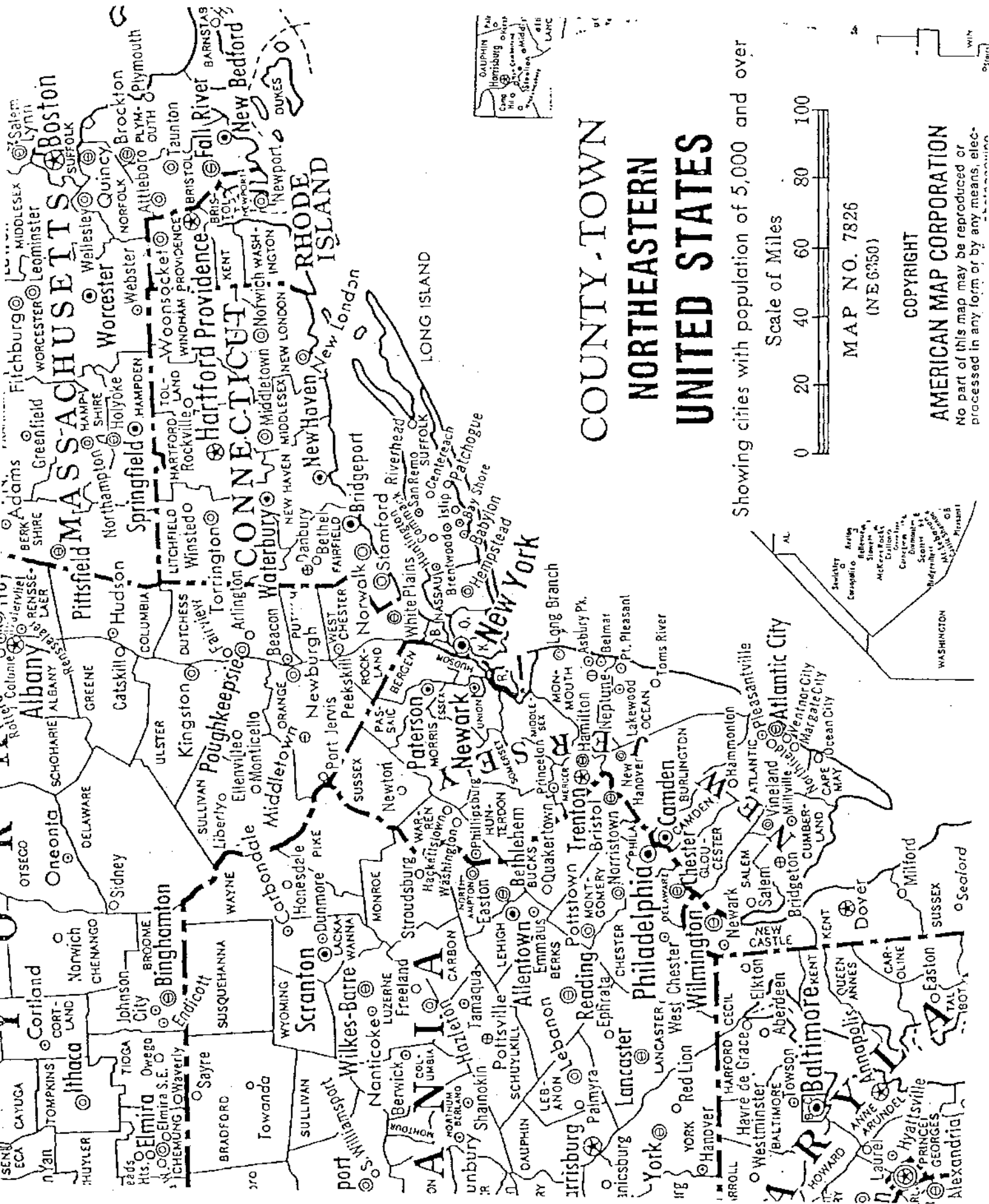
New Jersey (cont.)

Union	1-4
Warren	4-1

Pennsylvania

Bucks	4-1
Chester	4-1
Delaware	2-3
Lancaster	1-4
Lehigh	3
Monroe	
Montgomery	3-2
Northampton	1-4
Philadelphia	1-4
Pike	2-3 (?)
Susquehanna	2-3
Wayne	1





COUNTY-TOWN

NORTHEASTERN

UNITED STATES

Showing cities with population of 5,000 and over

Scale of Miles



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(NE 6:550)

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